



FORM PTO-1449/A and B (Modified)

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Sheet

1

of

1

APPLICATION NO.:	10/816,220	ATTY. DOCKET NO.:	C1037.70039US01
FILING DATE:	April 1, 2004	CONFIRMATION NO.:	8632
APPLICANT:	Davis et al.		
GROUP ART UNIT:	1645		EXAMINER: MINNFIELD

U.S. PATENT DOCUMENTS

Examiner's Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document MM-DD-YYYY
		Number	Kind Code		
/NMM/	A194	6,558,670	B1	Friede et al.	05-06-2003
/NMM/	A195	6,835,395	B1	Semple et al.	12-28-2004
/NMM/	A196	2004-0038922	A1	Haensler et al.	02-26-2004

FOREIGN PATENT DOCUMENTS

Examiner's Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document (not necessary)	Date of Publication of Cited Document MM-DD-YYYY	Translation (Y/N)
		Office/Country	Number	Kind Code			

OTHER ART — NON PATENT LITERATURE DOCUMENTS

Examiner's Initials	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
/NMM/	C350	SJOLANDER et al., Kinetics, localization and isotype profile of antibody responses to immune stimulating complexes (Iscoms) containing human influenza virus envelope glycoproteins. Scand J Immunol. 1996 Feb;43(2):164-72.	

EXAMINER: /N. M. Minnfield/ (02/02/2008)	DATE CONSIDERED: 02/02/2008
---	--------------------------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. ___, filed ___, and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications).

NOTE - The Office hereby waives the requirement under 37 CFR 1.98 (a)(2)(i) for submitting a copy of each cited U.S. patent and each U.S. patent application publication for all U.S. national patent applications filed after June 30, 2003 and for all international applications that have entered the national stage under 35 USC 371 after June 30, 2003. See 7 CFR 1.491(b). For all patent applications filed on or before June 30, 2003, copies of cited U.S. patents and patent application publications are still required unless an eIDS is filed. Copies of all other patent(s), publication(s), or other information listed must still be provided, even if it was previously submitted to, or cited by, the U.S. Patent Office in an earlier application, unless the earlier application is identified by the IDS and is relied upon for an earlier filing date under 35 U.S.C. §120, and the copy was provided in the earlier application.]

MAR 28 2005

U.S. PATENT & TRADEMARK OFFICE

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Sheet 1 of 23

APPLICATION NO.:	10/816,220	ATTY. DOCKET NO.:	C1037.70039US01
FILING DATE:	April 1, 2004	CONFIRMATION NO.:	8632
APPLICANT:	Davis et al.		
GROUP ART UNIT:	1645	EXAMINER:	MENNIFIELD

U.S. PATENT DOCUMENTS

Examiner's Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document MM-DD-YYYY
		Number	Kind Code		
/NMM/	A1	3,906,092		Hilleman et al.	09-16-1975
	A2	4,452,775		Kent	06-05-1984
	A3	4,544,559		Gil et al.	10-01-1985
	A4	4,994,442		Gil et al.	02-19-1991
	A5	5,023,243		Tullis	06-11-1991
	A6	5,066,500		Gil et al.	11-19-1991
	A7	5,075,109		Tice et al.	12-24-1991
	A8	5,087,617		Smith	02-11-1992
	A9	5,093,318		Goodman et al.	03-03-1992
	A10	5,112,605		Jardieu et al.	05-12-1992
	A11	5,248,670		Draper et al.	09-28-1993
	A12	5,457,189		Crooke et al.	10-10-1995
	A13	5,514,577		Draper et al.	05-07-1996
	A14	5,543,152		Webb et al.	08-06-1996
	A15	5,567,604		Rando et al.	10-22-1996
	A16	5,595,756		Bally et al.	01-21-1997
	A17	5,663,153		Hutcherson et al.	09-02-1997
	A18	5,679,397		Kuroda et al.	10-21-1997
	A19	5,684,147		Agrawal et al.	11-04-1997
	A20	5,705,385		Bally et al.	01-06-1998
	A21	5,723,335		Hutcherson et al.	03-03-1998
	A22	5,753,613		Ansell et al.	05-19-1998
	A23	5,756,097		Landucci et al.	05-26-1998
	A24	5,766,920		Babbitt et al.	06-16-1998
	A25	5,780,448		Davis	
	A26	5,785,992		Ansell et al.	07-28-1998
	A27	5,786,189		Locht et al.	07-28-1998
	A28	5,804,566		Carson et al.	09-08-1998
	A29	5,814,335		Webb et al.	09-29-1998
	A30	5,837,243		Deo et al.	11-17-1998
	A31	5,849,719		Carson et al.	
	A32	5,908,620		Tu et al.	06-01-1999
	A33	5,932,556		Tam	08-03-1999
	A34	5,955,059		Gilchrest et al.	09-21-1999
	A35	5,965,542		Wasan et al.	10-12-1999
	A36	5,976,567		Wheeler et al.	11-02-1999
	A37	5,981,501		Wheeler et al.	11-09-1999


**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Sheet 2 of 23

APPLICATION NO.:	10/816,220	ATTY. DOCKET NO.:	C1037.70039US01
FILING DATE:	April 1, 2004	CONFIRMATION NO.:	8632
APPLICANT:	Davis et al.		
GROUP ART UNIT:	1645	EXAMINER:	MINNIFIELD

Examiner's Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document MM-DD-YYYY
		Number	Kind Code		
/NMM/	A38	5,994,315		Nyce et al.	11-30-1999
	A39	6,004,534		Langer et al.	12-21-1999
	A40	6,013,639		Peyman et al.	01-11-2000
	A41	6,025,339		Nyce et al.	02-15-2000
	A42	6,027,726		Ansell	02-22-2000
	A43	6,030,955		Stein et al.	02-29-2000
	A44	6,040,296		Nyce et al.	03-21-2000
	A45	6,042,838		Briles et al.	03-28-2000
	A46	6,086,898		DeKruyff et al.	07-11-2000
	A47	6,090,791		Sato et al.	07-18-2000
	A48	6,110,745		Zhang et al.	08-29-2000
	A49	6,184,369	B1	Rando et al.	02-06-2001
	A50	6,191,257	B1	Ledley et al.	02-20-2001
	A51	6,194,388	B1	Krieg et al.	02-27-2001
	A52	6,207,646	B1	Krieg et al.	03-27-2001
	A53	6,210,663	B1	Ertl	04-03-2001
	A54	6,214,806	B1	Krieg et al.	04-10-2001
	A55	6,218,371	B1	Krieg et al.	04-17-2001
	A56	6,225,292	B1	Raz et al.	05-01-2001
	A57	6,239,116	B1	Krieg et al.	05-29-2001
	A58	6,339,068	B1	Krieg et al.	01-15-2002
	A59	6,406,705	B1	Davis et al.	06-18-2002
	A60	6,426,336	B1	Carson et al.	
	A61	6,429,199	B1	Krieg et al.	08-06-2002
	A62	6,498,147	B1	Nerenberg et al.	12-24-2002
	A63	6,498,148	B1	Raz	12-24-2002
	A64	6,503,533	B1	Korba et al.	01-07-2003
	A65	6,514,948	B1	Raz et al.	02-04-2003
	A66	6,534,062	B1	Raz et al.	03-18-2003
	A67	6,544,518	B1	Friede et al.	04-08-2003
	A68	6,552,006	B2	Raz et al.	04-22-2003
	A69	6,562,798	B1	Schwartz	05-13-2003
	A70	6,589,940	B1	Raz et al.	07-08-2003
	A71	6,610,308	B1	Haensler	08-26-2003
	A72	6,610,661	B1	Carson et al.	08-26-2003
V	A73	6,630,455	B1	Mitchell	10-07-2003
/NMM/	A74	6,653,292	B1	Krieg et al.	11-25-2003

/N. M. Minnifield/ (02/02/2008)

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

APPLICATION NO.:	10/816,220	ATTY. DOCKET NO.:	C1037.70039US01
FILING DATE:	April 1, 2004	CONFIRMATION NO.:	8632
APPLICANT:	Davis et al.		
GROUP ART UNIT:	1645	EXAMINER:	MINNIFIELD

Sheet 3 of 23

Examiner's Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document MM-DD-YYYY
		Number	Kind Code		
/NMM/	A75	6,693,086	B1	Dow et al.	02-17-2004
	A76	6,727,230	B1	Hutcherson et al.	04-27-2004
	A77	6,737,066	B1	Moss	05-18-2004
	A78	6,787,524	B2	Chang et al.	09-07-2004
	A79	6,821,957	B1	Davis et al.	11-23-2004
	A80	2001-0034330	A1	Kensil	10-25-2001
	A81	2001-0036462	A1	Fong et al.	11-01-2001
	A82	2001-0041681	A1	Phillips et al.	11-15-2001
	A83	2001-0044416	A1	McCluskie et al.	11-22-2001
	A84	2001-0046967	A1	Van Nest et al.	11-29-2001
	A85	2002-0009457	A1	Bowersock et al.	01-24-2002
	A86	2002-0028784	A1	Van Nest et al.	03-07-2002
	A87	2002-0055477	A1	Van Nest et al.	05-09-2002
	A88	2002-0064515	A1	Krieg et al.	05-30-2002
	A89	2002-0086839	A1	Raz et al.	07-04-2002
	A90	2002-0091097	A1	Bratzler et al.	07-11-2002
	A91	2002-0098199	A1	Van Nest et al.	07-25-2002
	A92	2002-0102255	A1	Chang	08-01-2002
	A93	2002-0107212	A1	Van Nest et al.	08-08-2002
	A94	2002-0142978	A1	Raz et al.	10-03-2002
	A95	2002-0156033	A1	Bratzler et al.	10-24-2002
	A96	2002-0164341	A1	Davis et al.	11-07-2002
	A97	2002-0165178	A1	Schetter et al.	11-07-2002
	A98	2002-0198165	A1	Bratzler et al.	12-26-2002
	A99	2003-0022852	A1	Van Nest et al.	01-30-2003
	A100	2003-0026782	A1	Krieg et al.	02-06-2003
	A101	2003-0026801	A1	Weiner et al.	02-06-2003
	A102	2003-0050261	A1	Krieg et al.	03-13-2003
	A103	2003-0050263	A1	Krieg et al.	03-13-2003
	A104	2003-0050268	A1	Krieg et al.	03-13-2003
	A105	2003-0055014	A1	Bratzler	03-20-2003
	A106	2003-0059773	A1	Van Nest et al.	03-27-2003
	A107	2003-0072762	A1	Van de Winkel et al.	04-17-2003
	A108	2003-0078223	A1	Raz et al.	04-24-2003
	A109	2003-0087848	A1	Bratzler et al.	05-08-2003
	A110	2003-0091599	A1	Davis et al.	05-15-2003
/NMM/	A111	2003-0092663	A1	Raz et al.	05-15-2003

/N. M. Minnifield/ (02/02/2008)

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

APPLICATION NO.:	10/816,220	ATTY. DOCKET NO.:	C1037.70039US01
FILING DATE:	April 1, 2004	CONFIRMATION NO.:	8632
APPLICANT:	Davis et al.		
GROUP ART UNIT:	1645	EXAMINER:	MINNIEFIELD

Sheet 4 of 23

Examiner's Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document MM-DD-YYYY
		Number	Kind Code		
/NMM/	A112	2003-0100527	A1	Krieg et al.	05-29-2003
	A113	2003-0104044	A1	Semple et al.	06-05-2003
	A114	2003-0104523	A1	Bauer et al.	06-05-2003
	A115	2003-0119773	A1	Raz et al.	06-26-2003
	A116	2003-0119774	A1	Foldvari et al.	06-26-2003
	A117	2003-0125279	A1	Junghans et al.	07-03-2003
	A118	2003-0125284	A1	Raz et al.	07-03-2003
	A119	2003-0125292	A1	Semple et al.	07-03-2003
	A120	2003-0129251	A1	Van Nest et al.	07-10-2003
	A121	2003-0133988	A1	Fearon et al.	07-17-2003
	A122	2003-0138413	A1	Vicari et al.	07-24-2003
	A123	2003-0139364	A1	Krieg et al.	07-24-2003
	A124	2003-0143213	A1	Raz et al.	07-31-2003
	A125	2003-0147870	A1	Raz et al.	08-07-2003
	A126	2003-0148316	A1	Lipford et al.	08-07-2003
	A127	2003-0148976	A1	Krieg et al.	08-07-2003
	A128	2003-0166001	A1	Lipford	09-04-2003
	A129	2003-0165478	A1	Sokoll et al.	09-04-2003
	A130	2003-0175731	A1	Fearon et al.	09-18-2003
	A131	2003-0176373	A1	Raz et al.	09-18-2003
	A132	2003-0181406	A1	Schetter et al.	09-25-2003
	A133	2003-0186921	A1	Carson et al.	10-02-2003
	A134	2003-0191079	A1	Krieg et al.	10-09-2003
	A135	2003-0199466	A1	Fearon et al.	10-23-2003
	A136	2003-0212026	A1	Krieg et al.	11-13-2003
	A137	2003-0212028	A1	Raz et al.	11-13-2003
	A138	2003-0216340	A1	Van Nest et al.	11-20-2003
	A139	2003-0224010	A1	Davis et al.	12-04-2003
	A140	2003-0232074	A1	Lipford et al.	12-18-2003
	A141	2004-0006032	A1	Lopez	01-08-2004
	A142	2004-0006034	A1	Raz et al.	01-08-2004
	A143	2004-0009942	A1	Van Nest et al.	01-15-2004
	A144	2004-0009944	A1	Tam et al.	01-15-2004
	A145	2004-0009949	A1	Krieg	01-15-2004
	A146	2004-0030118	A1	Wagner et al.	02-12-2004
	A147	2004-0053880	A1	Krieg	03-18-2004
/NMM/	A148	2004-0064064	A1	Zhou et al.	04-01-2004

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Sheet 5 of 23

APPLICATION NO.:	10/816,220	ATTY. DOCKET NO.:	C1037.70039US01
FILING DATE:	April 1, 2004	CONFIRMATION NO.:	8632
APPLICANT: Davis et al.			
GROUP ART UNIT:	1645	EXAMINER:	MINNIFIELD

Examiner's Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document MM-DD-YYYY
		Number	Kind Code		
/NMM/	A149	2004-0067905	A1	Krieg	04-08-2004
	A150	2004-0087534	A1	Krieg et al.	05-06-2004
	A151	2004-0087538	A1	Krieg et al.	05-06-2004
	A152	2004-0092468	A1	Schwartz et al.	05-13-2004
	A153	2004-0092472	A1	Krieg	05-13-2004
	A154	2004-0105872	A1	Klinman et al.	06-03-2004
	A155	2004-0106568	A1	Krieg et al.	06-03-2004
	A156	2004-0115219	A1	Ahn et al.	06-17-2004
	A157	2004-0131628	A1	Bratzler et al.	07-08-2004
	A158	2004-0132685	A1	Krieg et al.	07-08-2004
	A159	2004-0142469	A1	Krieg et al.	07-22-2004
	A160	2004-0143112	A1	Krieg et al.	07-22-2004
	A161	2004-0147468	A1	Krieg et al.	07-29-2004
	A162	2004-0152649	A1	Krieg	08-05-2004
	A163	2004-0152656	A1	Krieg et al.	08-05-2004
	A164	2004-0152657	A1	Krieg et al.	08-05-2004
	A165	2004-0162258	A1	Krieg et al.	08-19-2004
	A166	2004-0162262	A1	Krieg et al.	08-19-2004
	A167	2004-0167089	A1	Krieg et al.	08-26-2004
	A168	2004-0171150	A1	Krieg et al.	09-02-2004
	A169	2004-0171571	A1	Krieg et al.	09-02-2004
	A170	2004-0181045	A1	Krieg et al.	09-16-2004
	A171	2004-0191833	A1	Fink et al.	09-30-2004
	A172	2004-0198680	A1	Krieg	10-07-2004
	A173	2004-0198688	A1	Krieg et al.	10-07-2004
	A174	2004-0229835	A1	Krieg et al.	11-18-2004
	A175	2004-0234512	A1	Wagner et al.	11-25-2004
	A176	2004-0235770	A1	Davis et al.	11-25-2004
	A177	2004-0235774	A1	Bratzler et al.	11-25-2004
	A178	2004-0235777	A1	Wagner et al.	11-25-2004
	A179	2004-0235778	A1	Wagner et al.	11-25-2004
	A180	2004-0266719	A1	McCluskie et al.	12-30-2004
	A181	2005-0004061	A1	Krieg et al.	01-06-2005
	A182	2005-0004062	A1	Krieg et al.	01-06-2005
	A183	2005-0009774	A1	Krieg et al.	01-13-2005
V	A184	2005-0032734	A1	Davis et al.	02-10-2005
/NMM/	A185	2005-0032736	A1	Krieg et al.	02-10-2005

/N. M. Minnifield/ (02/02/2008)

INFORMATION DISCLOSURE STATEMENT BY APPLICANT FORM PTO-1449/A and B (Modified)				APPLICATION NO.: 10/816,220	ATTY. DOCKET NO.: C1037.70039US01
				FILING DATE: April 1, 2004	CONFIRMATION NO.: 8632
				APPLICANT: Davis et al.	
				GROUP ART UNIT: 1645	EXAMINER: MINNIEFIELD
Sheet 6	of 23				

Examiner's Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document MM-DD-YYYY
		Number	Kind Code		
/NMM/	A186	2005-0037403	A1	Krieg et al.	02-17-2005
	A187	2005-0037985	A1	Krieg et al.	02-17-2005
	A188	2005-0042203	A1	Davis et al.	02-24-2005
	A189	2005-0043529	A1	Davis et al.	02-24-2005
	A190	2005-0049215	A1	Krieg et al.	03-03-2005
	A191	2005-0049216	A1	Krieg et al.	03-03-2005
	A192	2005-0054601	A1	Wagner et al.	03-10-2005
/NMM/	A193	2005-0054602	A1	Krieg et al.	03-10-2005

FOREIGN PATENT DOCUMENTS

Examiner's Initials	Cite No.	Foreign Patent Document		Name of Patentee or Applicant of Cited Document (not necessary)	Date of Publication of Cited Document MM-DD-YYYY	Translation (Y/N)
		Office/Country	Number			
/NMM/	B1	EP	0 302 758	New England Medical Center Hospitals, Inc.	02-08-1989	
	B2	EP	0 468 520	Mitsui Toatsu Chemicals, Inc.	01-29-1992	
	B3	EP	1 187 629	Smithkline Beecham Biologicals, S.A.	10-26-2000	
	B4	WO	91/12811	ISIS Pharmaceuticals Inc.	09-05-1991	
	B5	WO	92/03456	ISIS Pharmaceuticals Inc.	03-05-1992	
	B6	WO	93/15207	Viagene Inc.	08-05-1993	
	B7	WO	94/19945	ISIS Pharmaceuticals Inc.		
	B8	WO	95/17507	Biognostik Gesellschaft Für Biomolekulare Diagnostik MBH [DE]	06-29-1995	
	B9	WO	96/02560	University of North Carolina at Chapel	02-01-1996	
	B10	WO	96/24380	ICN Pharmaceuticals	08-15-1996	
	B11	WO	96/40162	East Carolina University	12-19-1996	
	B12	WO	97/12633	Immunex Corporation	04-10-1997	
	B13	WO	97/28259	The Regents of the University of California		
	B14	WO	97/42975	Genemedicine Inc.	11-20-1997	
	B15	WO	98/01538	Immunex Corporation	01-15-1998	
	B16	WO	98/16247	The Regents of the University of California	04-23-1998	
	B17	WO	98/29430	ICN Pharmaceuticals	07-09-1998	
	B18	WO	98/29557	Biovector Therapeutics	07-09-1998	
	B19	WO	98/32462	Wagner et al.	07-30-1998	
	B20	WO	98/40100	Ottawa Civic Loeb Research Institute	09-17-1998	
	B21	WO	98/49182	Hybridon Inc.	11-05-1998	
/NMM/	B22	WO	98/49288	Hybridon Inc.	11-05-1998	

FORM PTO-1449/A and B (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT				APPLICATION NO.: 10/816,220	ATTY. DOCKET NO.: C1037.70039US01	
				FILING DATE: April 1, 2004	CONFIRMATION NO.: 8632	
				APPLICANT: Davis et al.		
				GROUP ART UNIT:	1645	EXAMINER:
Sheet	7	of	23			

Examiner's Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document (not necessary)	Date of Publication of Cited Document MM-DD-YYYY	Translation (Y/N)
		Office/ Country	Number	Kind Code			
/NMM/	B23	WO	98/51278	A2	INEX Pharmaceuticals Corp.		
	B24	WO	98/52962	A1	Merck and Co., Inc.	11-26-1998	
	B25	WO	98/55495	A2	Dynavax Technologies Corporation	12-10-1998	
	B26	WO	98/55609	A1	Regents of the University of California	12-10-1998	
	B27	WO	99/11275	A2	The Regents of the University of California	03-11-1999	
	B28	WO	99/30686	A1	INEX Pharmaceuticals Corporation	06-24-1999	
	B29	WO	99/33488	A2	SmithKline Beecham Biologicals S.A.	07-08-1999	
	B30	WO	99/33493	A1	INEX Pharmaceuticals Corporation	07-08-1999	
	B31	WO	99/33868	A2	SmithKline Beecham Biologicals, S.A.	07-08-1999	
	B32	WO	99/43350	A1	IOMAI Corporation	09-02-1999	
	B33	WO	99/52549	A1	SmithKline Beecham Biologicals S.A.	10-29-1999	
	B34	WO	99/55743	A1	INEX Pharmaceuticals Corporation		
	B35	WO	99/56755	A1	University of Iowa Research Foundation	11-11-1999	
	B36	WO	99/58118	A2	CPG Immunopharmaceuticals GMBH	11-18-1999	
	B37	WO	99/61056	A2	Loeb Health Research Institute at the Ottawa Hospital	12-02-1999	
	B38	WO	99/62923	A2	Dynavax Technologies Corporation	12-09-1999	
	B39	WO	00/03683	A2	INEX Pharmaceuticals Corporation		
	B40	WO	00/09159	A1	Aquila Biopharmaceuticals, Inc.	02-24-2000	
	B41	WO	00/15256	A2	Pasteur Merieux Serums Et Vaccins [FR]	03-23-2000	Abstract
	B42	WO	00/16804	A1	Dynavax Technologies Corporation	03-30-2000	
	B43	WO	00/20039	A1	The Regents of the University of California	04-13-2000	
	B44	WO	00/21556	A1	Dynavax Technologies Corporation	04-20-2000	
	B45	WO	00/23105	A2	SmithKline Beecham Biologicals, S.A.	04-27-2000	
	B46	WO	00/41463	A2	SmithKline Beecham Biologicals, S.A.	07-20-2000	
	B47	WO	00/46365	A1	Virginia Commonwealth University	08-10-2000	
	B48	WO	00/54803	A2	Panacea Pharmaceuticals, LLC.	09-21-2000	
	B49	WO	00/56359	A2	SmithKline Beecham Biologicals, S.A.	09-28-2000	
	B50	WO	00/62787	A1	Regents of the University of California	10-26-2000	
	B51	WO	00/62800	A2	SmithKline Beecham Biologicals, S.A.	10-26-2000	
	B52	WO	00/75304	A1	Aventis Pasteur [FR]	12-14-2000	Abstract
	B53	WO	01/00231	A2	SmithKline Beecham Biologicals, S.A.	01-04-2001	
	B54	WO	01/00232	A2	SmithKline Beecham Biologicals, S.A.	01-04-2001	
↓	B55	WO	01/02007	A1	The Regents of the University of California	01-11-2001	
/NMM/	B56	WO	01/12223	A2	Dynavax Technologies Corporation	02-22-2001	

/N. M. Minnifield/ (02/02/2008)

FORM PTO-1449/A and B (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT				APPLICATION NO.: 10/816,220	ATTY. DOCKET NO.: C1037.70039US01
				FILING DATE: April 1, 2004	CONFIRMATION NO.: 8632
				APPLICANT: Davis et al.	
Sheet	8	of	23	GROUP ART UNIT: 1645	EXAMINER: MINNIEFIELD

Examiner's Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document (not necessary)	Date of Publication of Cited Document MM-DD-YYYY	Translation (Y/N)
		Office/ Country	Number	Kind Code			
/NMM/	B57	WO	01/17550	A2	SmithKline Beecham Biologicals, S.A.	03-15-2001	
	B58	WO	01/17551	A2	SmithKline Beecham Biologicals, S.A.	03-15-2001	
	B59	WO	01/22972	A2	Coley Pharmaceuticals, GmbH	04-05-2001	
	B60	WO	01/22990	A2	Coley Pharmaceutical Group, Inc.	04-05-2001	
	B61	WO	01/54719	A2	SmithKline Beecham Biologicals, S.A.	08-02-2001	
	B62	WO	01/62909	A1	Aventis Pasteur [FR]	08-30-2001	Abstract
	B63	WO	01/68077	A2	Dynavax Technologies Corporation	09-20-2001	
	B64	WO	01/68078	A2	Dynavax Technologies Corporation	09-20-2001	
	B65	WO	01/68103	A2	Dynavax Technologies Corporation	09-20-2001	
	B66	WO	01/68116	A2	Dynavax Technologies Corporation	09-20-2001	
	B67	WO	01/68117	A2	Dynavax Technologies Corporation	09-20-2001	
	B68	WO	01/68143	A2	Dynavax Technologies Corporation	09-20-2001	
	B69	WO	01/68144	A2	Dynavax Technologies Corporation	09-20-2001	
	B70	WO	02/09748	A1	Yale University	02-07-2002	
	B71	WO	02/24225	A1	Glaxo Group Limited [GR]	03-28-2002	
	B72	WO	02/28428	A2	Aventis Pasteur [FR]	04-11-2002	Abstract
	B73	WO	02/102307	A2	Ribapharm	12-27-2002	
	B74	WO	03/020889	A2	3M Innovative Properties Company	03-13-2003	
	B75	WO	03/024481	A2	Cytos Biotechnology AG	03-27-2003	
	B76	WO	03/025119	A2	Medarex Inc.	03-27-2003	
	B77	WO	03/026688	A1	Pharmaderm Laboratories, Ltd.	04-03-2003	
	B78	WO	03/030656	A2	Qiagen GMBH [DE]	04-17-2003	
	B79	WO	03/030934	A2	Qiagen GMBH [DE]	04-17-2003	
	B80	WO	03/043572	A2	3M Innovative Properties Company	05-30-2003	
	B81	WO	03/045428	A2	Medigene Aktiengesellschaft	06-05-2003	Y- Abstract Only
	B82	WO	03/066649	A1	Biomira Inc.	08-14-2003	
	B83	WO	03/094963	A2	INEX Pharmaceuticals Corp.	11-20-2003	
	B84	WO	03/100040	A1	Merck Patent GMBH	12-04-2003	
	B85	WO	03/101375	A2	Immunotech SA	12-11-2003	
	B86	WO	2004/007743	A2	Coley Pharmaceutical GmbH	01-22-2004	
	B87	WO	2004/039829	A2	Coley Pharmaceutical Group, Ltd.	05-13-2004	
	B88	WO	2004/041183	A2	The Regents of the University of California	05-21-2004	
/NMM/	B89	WO	2004/094671	A2	Coley Pharmaceutical GmbH	11-04-2004	

OTHER ART — NON PATENT LITERATURE DOCUMENTS

/N. M. Minnield/ (02/02/2008)

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

		APPLICATION NO.: 10/816,220	ATTY. DOCKET NO.: C1037.70039US01
		FILING DATE: April 1, 2004	CONFIRMATION NO.: 8632
		APPLICANT: Davis et al.	
Sheet	9	of	23
		GROUP ART UNIT: [REDACTED] 1645	EXAMINER: [REDACTED] MINNIFIELD

Examiner's Initials	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
/NMM/	C1	[No Author Listed] National Institute of Health, Publication Number 97-4051, July 1997.	
	C2	[No Author Listed] CpG oligonucleotide adjuvants modulate allergic response in mouse model. Allergy Medicine, NewsRx.com. January 16, 2000. (Jahnschmid)	
	C3	ADEREM et al., Toll-like receptors in the induction of the innate immune response. Nature. 2000 Aug 17;406(6797):782-7.	
	C4	AGRAWAL et al., Antisense oligonucleotides: towards clinical trials. Trends in Biotechnology, 1996; 14: 376-87.	
	C5	ALPAR et al., Potential of particulate carriers for the mucosal delivery of DNA vaccines. Biochem Soc Trans. 1997 May;25(2):337S.	
	C6	ANDERSON et al., Induction of determinant spreading and of Th1 responses by in vitro stimulation with HER-2 peptides. Cancer Immunol Immunother. 2000 Nov;49(9):459-68.	
	C7	ANDERSON et al., TH2 and 'TH2-like' cells in allergy and asthma: pharmacological perspectives. Trends Pharmacol Sci. 1994 Sep;15(9):324-32. Review.	
	C8	ASKEW et al., CpG DNA induces maturation of dendritic cells with distinct effects on nascent and recycling MHC-II antigen-processing mechanisms. J Immunol. 2000 Dec 15;165(12):6889-95.	
	C9	AURICCHIO et al., Role of macrophage phospholipase D in natural and CpG-induced antimycobacterial activity. Cell Microbiol. 2003 Dec;5(12):913-20.	
	C10	BALLAS et al., Divergent therapeutic and immunologic effects of oligodeoxynucleotides with distinct CpG motifs. J Immunol. 2001 Nov 1;167(9):4878-86.	
	C11	BALLAS et al., Induction of NK activity in murine and human cells by CpG motifs in oligodeoxynucleotides and bacterial DNA. J Immunol. 1996 Sep 1;157(5):1840-5.	
	C12	BATES et al., Antiproliferative activity of G-rich oligonucleotides correlates with protein binding. J Biol Chem. 1999 Sep 10;274(37):26369-77.	
	C13	BAUER et al., DNA activates human immune cells through a CpG sequence-dependent manner. Immunology. 1999 Aug;97(4):699-705.	
	C14	BAUER et al., Bacterial CpG-DNA triggers activation and maturation of human CD11c-, CD123+ dendritic cells. J Immunol. 2001 Apr 15;166(8):5000-7.	
	C15	BAYEVER et al., Systemic administration of a phosphorothioate oligonucleotide with a sequence complementary to p53 for acute myelogenous leukemia and myelodysplastic syndrome: initial results of a phase I trial. Antisense Res Dev. 1993 Winter;3(4):383-90.	
	C16	BENIMETSKAYA et al., Formation of a G-tetrad and higher order structures correlates with biological activity of the RelA (NF-kappaB p65) 'antisense' oligodeoxynucleotide. Nucleic Acids Res. 1997 Jul 1;25(13):2648-56.	
	C17	BISHOP et al., Intramolecular G-quartet motifs confer nuclease resistance to a potent anti-HIV oligonucleotide. J Biol Chem. 1996 Mar 8;271(10):5698-703.	
	C18	BOGGS et al., Characterization and modulation of immune stimulation by modified oligonucleotides. Antisense Nucleic Acid Drug Dev. 1997 Oct;7(5):461-71.	
	C19	BOHLE et al., Oligodeoxynucleotides containing CpG motifs induce IL-12, IL-18 and IFN-gamma production in cells from allergic individuals and inhibit IgE synthesis in vitro. Eur J Immunol. 1999 Jul;29(7):2344-53.	
	C20	BOWERSOCK et al., Evaluation of an orally administered vaccine, using hydrogels containing bacterial exotoxins of Pasteurella haemolytica, in cattle. Am J Vet Res. 1994 Apr;55(4):502-9.	
	C21	BRANDA et al., Immune stimulation by an antisense oligomer complementary to the rev gene of HIV-1. Biochem Pharmacol. 1993 May 25;45(10):2037-43.	
	C22	BRANDA et al., Amplification of antibody production by phosphorothioate oligodeoxynucleotides. J Lab Clin Med. 1996 Sep;128(3):329-38.	
	C23	BRAZOLOT-MILLAN et al., CpG DNA can induce strong Th1 humoral and cell-mediated immune responses against hepatitis B surface antigen in young mice. Proc Natl Acad Sci U S A. 1998 Dec 22;95(26):15553-8.	
	C24	BROIDE et al., DNA-Based immunization for asthma. Int Arch Allergy Immunol. 1999 Feb-Apr;118(2-4):453-6.	
↓	C25	BROIDE et al., Immunostimulatory DNA sequences inhibit IL-5, eosinophilic inflammation, and airway hyperresponsiveness in mice. J Immunol. 1998 Dec 15;161(12):7054-62.	

/N. M. Minnifield/ (02/02/2008)

FORM PTO-1449/A and B (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT				APPLICATION NO.: 10/816,220	ATTY. DOCKET NO.: C1037.70039US01
				FILING DATE: April 1, 2004	CONFIRMATION NO.: 8632
				APPLICANT: Davis et al.	
Sheet	10	of	23	GROUP ART UNIT: [REDACTED] 1645	EXAMINER: [REDACTED] MINNIFIELD

Examiner's Initials	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
/NMM/	C26	BROIDE et al., Modulation of asthmatic response by immunostimulatory DNA sequences. Springer Semin Immunopathol. 2000;22(1-2):117-24. Review.	
	C27	BROSSART et al., Induction of cytotoxic T-lymphocyte responses in vivo after vaccinations with peptide-pulsed dendritic cells. Blood. 2000 Nov 1;96(9):3102-8.	
	C28	BRUNNER et al., Enhanced dendritic cell maturation by TNF-alpha or cytidine-phosphate-guanosine DNA drives T cell activation in vitro and therapeutic anti-tumor immune responses in vivo. J Immunol. 2000 Dec 1;165(11):6278-86.	
	C29	BURGESS et al., The antiproliferative activity of c-myb and c-myc antisense oligonucleotides in smooth muscle cells is caused by a nonantisense mechanism. Proc Natl Acad Sci U S A. 1995 Apr 25;92(9):4051-5.	
	C30	CALAROTA et al., Cellular cytotoxic response induced by DNA vaccination in HIV-1-infected patients. Lancet. 1998 May 2;351(9112):1320-5.	
	C31	CARSON et al., Oligonucleotide adjuvants for T helper 1 (Th1)-specific vaccination. J Exp Med. 1997 Nov 17;186(10):1621-2.	
	C32	CAVACINI et al., Evidence of determinant spreading in the antibody responses to prostate cell surface antigens in patients immunized with prostate-specific antigen. Clin Cancer Res. 2002 Feb;8(2):368-73.	
	C33	CELLA et al., Plasmacytoid monocytes migrate to inflamed lymph nodes and produce large amounts of type I interferon. Nat Med. 1999 Aug;5(8):919-23.	
	C34	CHACE et al., Bacterial DNA-induced NK cell IFN-gamma production is dependent on macrophage secretion of IL-12. Clin Immunol Immunopathol. 1997 Aug;84(2):185-93.	
	C35	CHELVARAJAN et al., CpG oligodeoxynucleotides overcome the unresponsiveness of neonatal B cells to stimulation with the thymus-independent stimuli anti-IgM and TNP-Ficoll. Eur J Immunol. 1999 Sep;29(9):2808-18.	
	C36	CHEN et al., Protective immunity induced by oral immunization with a rotavirus DNA vaccine encapsulated in microparticles. J Virol. 1998 Jul;72(7):5757-61.	
	C37	CHOI et al., The level of protection against rotavirus shedding in mice following immunization with a chimeric VP6 protein is dependent on the route and the coadministered adjuvant. Vaccine. 2002 Mar 15;20(13-14):1733-40.	
	C38	CHU et al., CpG oligodeoxynucleotides act as adjuvants that switch on T helper 1 (Th1) immunity. J Exp Med. 1997 Nov 17;186(10):1623-31.	
	C39	COHEN, Selective anti-gene therapy for cancer: principles and prospects. Tohoku J Exp Med. 1992 Oct;168(2):351-9.	
	C40	COSSUM et al., Disposition of the 14C-labeled phosphorothioate oligonucleotide ISIS 2105 after intravenous administration to rats. J Pharmacol Exp Ther. 1993 Dec;267(3):1181-90.	
	C41	COWDERY et al., Bacterial DNA induces NK cells to produce IFN-gamma in vivo and increases the toxicity of lipopolysaccharides. J Immunol. 1996 Jun 15;156(12):4570-5.	
	C42	COWSERT et al., In vitro evaluation of phosphorothioate oligonucleotides targeted to the E2 mRNA of papillomavirus: potential treatment for genital warts. Antimicrob Agents Chemother. 1993 Feb;37(2):171-7.	
	C43	CUI et al., The effect of co-administration of adjuvants with a nanoparticle-based genetic vaccine delivery system on the resulting immune responses. Eur J Pharm Biopharm. 2003 Jan;55(1):11-8.	
	C44	CUI et al., Topical immunization using nanoengineered genetic vaccines. J Control Release. 2002 May 17;81(1-2):173-84.	
	C45	DAHESHIA et al., Immune induction and modulation by topical ocular administration of plasmid DNA encoding antigens and cytokines. Vaccine. 1998 Jul;16(11-12):1103-10.	
	C46	DALPKE et al., CpG DNA in the prevention and treatment of infections. BioDrugs. 2002;16(6):419-31.	
	C47	DALPKE et al., Phosphodiester CpG oligonucleotides as adjuvants: polyguanosine runs enhance cellular uptake and improve immunostimulative activity of phosphodiester CpG oligonucleotides in vitro and in vivo. Immunology. 2002 May;106(1):102-12. Abstract Only.	
	C48	DAPIC et al., Proceedings of AACR, pp. 42 March 2001.	
/NMM/	C49	DAVIS et al., CpG DNA is a potent enhancer of specific immunity in mice immunized with recombinant hepatitis B surface antigen. J Immunol. 1998 Jan 15;160(2):870-6.	

/N. M. Minnifield/ (02/02/2008)

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

APPLICATION NO.:	10/816,220	ATTY. DOCKET NO.:	C1037.70039US01
FILING DATE:	April 1, 2004	CONFIRMATION NO.:	8632
APPLICANT:	Davis et al.		
GROUP ART UNIT:	1645	EXAMINER:	MINNIFIELD

Sheet 11 of 23

Examiner's Initials	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
/NMM/	C50	DAVIS et al., CpG DNA overcomes hyporesponsiveness to hepatitis B vaccine in orangutans. Vaccine. 2000 Mar 17;18(18):1920-4.	
	C51	DAVIS et al., Plasmid DNA expression systems for the purpose of immunization. Curr Opin Biotechnol. 1997 Oct;8(5):635-46.	
	C52	DAVIS, Use of CpG DNA for enhancing specific immune responses. Curr Top Microbiol Immunol. 2000;247:171-83.	
	C53	DECKER et al., Immunostimulatory CpG-oligonucleotides cause proliferation, cytokine production, and an immunogenic phenotype in chronic lymphocytic leukemia B cells. Blood. 2000 Feb 1;95(3):999-1006.	
	C54	DEMEL et al., Immunostimulatory CpG motifs trigger a T helper-1 immune response to human immunodeficiency virus type-1 (HIV-1) gp 160 envelope proteins. Clin Chem Lab Med. 1999 Mar;37(3):199-204.	
	C55	DIAMANTSTEIN et al., Specific binding of poly(I)-poly(C) to the membrane of murine B lymphocyte subsets. Eur J Immunol. 1978 Dec;8(12):896-9.	
	C56	DISIS et al., Generation of immunity to the HER-2/neu oncogenic protein in patients with breast and ovarian cancer using a peptide-based vaccine. Clin Cancer Res. 1999 Jun;5(6):1289-97.	
	C57	DISIS et al., Generation of T-cell immunity to the HER-2/neu protein after active immunization with HER-2/neu peptide-based vaccines. J Clin Oncol. 2002 Jun 1;20(11):2624-32.	
	C58	DUMAIS et al., Mucosal immunization with inactivated human immunodeficiency virus plus CpG oligodeoxynucleotides induces genital immune responses and protection against intravaginal challenge. J Infect Dis. 2002 Oct 15;186(8):1098-105. Epub 2002 Sep 30.	
	CS9	DUNN et al., The three Es of cancer immunoediting. Annu Rev Immunol. 2004;22:329-60.	
	C60	DURHAM et al., Immunotherapy and allergic inflammation. Clin Exp Allergy. 1991 Jan;21 Suppl 1:206-10.	
	C61	ELKINS et al., Bacterial DNA containing CpG motifs stimulates lymphocyte-dependent protection of mice against lethal infection with intracellular bacteria. J Immunol. 1999 Feb 15;162(4):2291-8.	
	C62	EL-SHAMY et al., MHC class I-restricted epitope spreading in the context of tumor rejection following vaccination with a single immunodominant CTL epitope. Eur J Immunol. 1999 Oct;29(10):3295-301.	
	C63	EWEL et al., Polyinosinic-polycytidylic acid complexed with poly-L-lysine and carboxymethylcellulose in combination with interleukin 2 in patients with cancer: clinical and immunological effects. Cancer Res. 1992 Jun 1;52(11):3005-10.	
	C64	FRALEY et al., New generation liposomes: the engineering of an efficient vehicle for intracellular delivery of nucleic acids. Trends Biochem Sci. 1981;6:77-80.	
	C65	FREIDAG et al., CpG oligodeoxynucleotides and interleukin-12 improve the efficacy of Mycobacterium bovis BCG vaccination in mice challenged with M. tuberculosis. Infect Immun. 2000 May;68(5):2948-53.	
	C66	GALLICHAN et al., Intranasal immunization with CpG oligodeoxynucleotides as an adjuvant dramatically increases IgA and protection against herpes simplex virus-2 in the genital tract. J Immunol. 2001 Mar 1;166(5):3451-7.	
	C67	GOMIS et al., Protection of chickens against Escherichia coli infections by DNA containing CpG motifs. Infect Immun. 2003 Feb;71(2):857-63.	
	C68	GOUTTEFANGEAS et al., Problem solving for tumor immunotherapy. Nat Biotechnol. 2000 May;18(5):491-2.	
	C69	GREGORIADIS et al., Engineering liposomes for drug delivery: progress and problems. Trends Biotechnol. 1995 Dec;13(12):527-37.	
	C70	GURSEL et al., Sterically stabilized cationic liposomes improve the uptake and immunostimulatory activity of CpG oligonucleotides. J Immunol. 2001 Sep 15;167(6):3324-8.	
	C71	HADDEN et al., Immunopharmacology. Immunomodulation and immunotherapy. JAMA. 1992 Nov 25;268(20):2964-9.	
	C72	HADDEN et al., Immunostimulants. Trends Pharmacol Sci. 1993 May;14(5):169-74.	
	C73	HAHM et al., Efficacy of polyadenylic.polyuridylic acid in the treatment of chronic active hepatitis B. Int J Immunopharmacol. 1994 Mar;16(3):217-25.	
/NMM/	C74	HALPERN et al., In vitro inhibition of murine IFN gamma production by phosphorothioate deoxyguanosine oligomers. Immunopharmacology. 1995 Feb;29(1):47-52.	

/N. M. Minnifield/ (02/02/2008)

FORM PTO-1449/A and B (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT				APPLICATION NO.: 10/816,220	ATTY. DOCKET NO.: C1037.70039US01
				FILING DATE: April 1, 2004	CONFIRMATION NO.: 8632
				APPLICANT: Davis et al.	
Sheet	12	of	23	GROUP ART UNIT: [REDACTED] 1645	EXAMINER: [REDACTED] MINNIFIELD

Examiner's Initials	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
/NMM/	C75	HALPERN et al., Bacterial DNA induces murine interferon-gamma production by stimulation of interleukin-12 and tumor necrosis factor-alpha. <i>Cell Immunol.</i> 1996 Jan 10;167(1):72-8.	
	C76	HANEBERG et al., Induction of specific immunoglobulin A in the small intestine, colon-rectum, and vagina measured by a new method for collection of secretions from local mucosal surfaces. <i>Infect Immun.</i> 1994 Jan;62(1):15-23.	
	C77	HARRINGTON et al., Adjuvant effects of low doses of a nuclease-resistant derivative of polyinosinic acid . polycytidylic acid on antibody responses of monkeys to inactivated Venezuelan equine encephalomyelitis virus vaccine. <i>Infect Immun.</i> 1979 Apr;24(1):160-6.	
	C78	HARTMANN et al., CpG DNA and LPS induce distinct patterns of activation in human monocytes. <i>Gene Ther.</i> 1999 May;6(5):893-903.	
	C79	HARTMANN et al., Mechanism and function of a newly identified CpG DNA motif in human primary B cells. <i>J Immunol.</i> 2000 Jan 15;164(2):944-53.	
	C80	HARTMANN et al., Delineation of a CpG phosphorothioate oligodeoxynucleotide for activating primate immune responses in vitro and in vivo. <i>J Immunol.</i> 2000 Feb 1;164(3):1617-24.	
	C81	HARTMANN et al., CpG DNA: a potent signal for growth, activation, and maturation of human dendritic cells. <i>Proc Natl Acad Sci U S A.</i> 1999 Aug 3;96(16):9305-10.	
	C82	HASLETT et al., Strong human immunodeficiency virus (HIV)-specific CD4+ T cell responses in a cohort of chronically infected patients are associated with interruptions in anti-HIV chemotherapy. <i>J Infect Dis.</i> 2000 Apr;181(4):1264-72. Epub 2000 Apr 05.	
	C83	HAVLIR et al., Maintenance antiretroviral therapies in HIV infected patients with undetectable plasma HIV RNA after triple-drug therapy. AIDS Clinical Trials Group Study 343 Team. <i>N Engl J Med.</i> 1998 Oct 29;339(18):1261-8.	
	C84	HAWKES et al., Times of London News International. 4M:18. Printed on September 18, 1999.	
	C85	HAYASHI et al., Enhancement of innate immunity against <i>Mycobacterium avium</i> infection by immunostimulatory DNA is mediated by indoleamine 2,3-dioxygenase. <i>Infect Immun.</i> 2001 Oct;69(10):6156-64.	
	C86	HECKELSMILLER et al., Peritumoral CpG DNA elicits a coordinated response of CD8 T cells and innate effectors to cure established tumors in a murine colon carcinoma model. <i>J Immunol.</i> 2002 Oct 1;169(7):3892-9.	
	C87	HEDLEY et al., Microspheres containing plasmid-encoded antigens elicit cytotoxic T-cell responses. <i>Nat Med.</i> 1998 Mar;4(3):365-8.	
	C88	HEEG et al., CpG DNA as a Th1 trigger. <i>Int Arch Allergy Immunol.</i> 2000 Feb;121(2):87-97.	
	C89	HENRY et al., Chemically modified oligonucleotides exhibit decreased immune stimulation in mice. <i>J Pharmacol Exp Ther.</i> 2000 Feb;292(2):468-79.	
	C90	HIGAKI et al., Mechanisms involved in the inhibition of growth of a human B lymphoma cell line, B104, by anti-MHC class II antibodies. <i>Immunol Cell Biol.</i> 1994 Jun;72(3):205-14.	
	C91	HINKULA et al., Recognition of prominent viral epitopes induced by immunization with human immunodeficiency virus type 1 regulatory genes. <i>J Virol.</i> 1997 Jul;71(7):5528-39.	
	C92	HO, Toward HIV eradication or remission: the tasks ahead. <i>Science.</i> 1998 Jun 19;280(5371):1866-7.	
	C93	HOGG et al., The pathology of asthma. <i>APMIS.</i> 1997 Oct;105(10):735-45. Review.	
	C94	HOHLWEG et al., On the fate of plant or other foreign genes upon the uptake in food or after intramuscular injection in mice. <i>Mol Genet Genomics.</i> 2001 Apr;265(2):225-33.	
	C95	HOLMGREN et al., Cholera toxin and cholera B subunit as oral-mucosal adjuvant and antigen vector systems. <i>Vaccine.</i> 1993 Sep;11(12):1179-84.	
	C96	HOPKIN et al., BioMedNet, Issue 57, 6/25/1999.	
	C97	HORNER et al., Optimized conjugation ratios lead to allergen immunostimulatory oligodeoxynucleotide conjugates with retained immunogenicity and minimal anaphylactogenicity. <i>J Allergy Clin Immunol.</i> 2002 Sep;110(3):413-20.	
	C98	HORNER et al., Mucosal adjuvanticity of immunostimulatory DNA sequences. <i>Springer Semin Immunopathol.</i> 2000;22(1-2):133-46.	
/NMM/	C99	HORNQUIST et al., Cholera toxin adjuvant greatly promotes antigen priming of T cells. <i>Eur J Immunol.</i> 1993 Sep;23(9):2136-43.	

FORM PTO-1449/A and B (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT				APPLICATION NO.: 10/816,220	ATTY. DOCKET NO.: C1037.70039US01
				FILING DATE: April 1, 2004	CONFIRMATION NO.: 8632
				APPLICANT: Davis et al.	
Sheet	13	of	23	GROUP ART UNIT: 1645	EXAMINER: MINNIEFIELD

Examiner's Initials	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
/NMM/	C100	HUANG et al., Induction and regulation of Th1-inducing cytokines by bacterial DNA, lipopolysaccharide, and heat-inactivated bacteria. <i>Infect Immun.</i> 1999 Dec;67(12):6257-63.	
	C101	HUGHES et al., Influence of base composition on membrane binding and cellular uptake of 10-mer phosphorothioate oligonucleotides in Chinese hamster ovary (CHRC5) cells. <i>Antisense Res Dev.</i> 1994 Fall;4(3):211-5.	
	C102	HUNG et al., Improving vaccine potency through intercellular spreading and enhanced MHC class I presentation of antigen. <i>J Immunol.</i> 2001 May 1;166(9):5733-40.	
	C103	HUNTER et al., Biodegradable microspheres containing group B Streptococcus vaccine: immune response in mice. <i>Am J Obstet Gynecol.</i> 2001 Nov;185(5):1174-9.	
	C104	IHO et al., Oligodeoxynucleotides containing palindrome sequences with internal 5'-CpG-3' act directly on human NK and activated T cells to induce IFN-gamma production in vitro. <i>J Immunol.</i> 1999 Oct 1;163(7):3642-52.	
	C105	IKEDA et al., Microbial DNA and Host Immunity. Chapter 23: Immunostimulatory DNA for allergic asthma. p289.	
	C106	IMAMI et al., Assessment of type 1 and type 2 cytokines in HIV type 1-infected individuals: impact of highly active antiretroviral therapy. <i>AIDS Res Hum Retroviruses.</i> 1999 Nov 20;15(17):1499-508.	
	C107	IOANNOU et al., The immunogenicity and protective efficacy of bovine herpesvirus 1 glycoprotein D plus Emulsigen are increased by formulation with CpG oligodeoxynucleotides. <i>J Virol.</i> 2002 Sep;76(18):9002-10.	
	C108	IOANNOU et al., Safety and efficacy of CpG-containing oligodeoxynucleotides as immunological adjuvants in rabbits. <i>Vaccine.</i> 2003 Oct 1;21(27-30):4368-72. Abstract Only.	
	C109	ISHIKAWA et al., IFN induction and associated changes in splenic leukocyte distribution. <i>J Immunol.</i> 1993 May 1;150(9):3713-27.	
	C110	IVERSEN et al., Pharmacokinetics of an antisense phosphorothioate oligodeoxynucleotide against rev from human immunodeficiency virus type 1 in the adult male rat following single injections and continuous infusion. <i>Antisense Res Dev.</i> 1994 Spring;4(1):43-52.	
	C111	JAHRSDOFER et al., CpG DNA increases primary malignant B cell expression of costimulatory molecules and target antigens. <i>J Leukoc Biol.</i> 2001 Jan;69(1):81-8.	
	C112	JAKOB et al., Activation of cutaneous dendritic cells by CpG-containing oligodeoxynucleotides: a role for dendritic cells in the augmentation of Th1 responses by immunostimulatory DNA. <i>J Immunol.</i> 1998 Sep 15;161(6):3042-9.	
	C113	JAKOB et al., Bacterial DNA and CpG-containing oligodeoxynucleotides activate cutaneous dendritic cells and induce IL-12 production: implications for the augmentation of Th1 responses. <i>Int Arch Allergy Immunol.</i> 1999 Feb-Apr;118(2-4):457-61.	
	C114	JIANG et al., Enhancing immunogenicity by CpG DNA. <i>Curr Opin Mol Ther.</i> 2003 Apr;5(2):180-5. Abstract Only.	
	C115	JOHNSON et al., <i>Immunopharmacology, Infection, and Disease</i> , 291-301, 1987.	
	C116	JONES et al., Poly(DL-lactide-co-glycolide)-encapsulated plasmid DNA elicits systemic and mucosal antibody responses to encoded protein after oral administration. <i>Vaccine.</i> 1997 Jun;15(8):814-7.	
	C117	JONES et al., Synthetic oligodeoxynucleotides containing CpG motifs enhance immunogenicity of a peptide malaria vaccine in Aotus monkeys. <i>Vaccine.</i> 1999 Aug 6;17(23-24):3065-71.	
	C118	JUFFERMANS et al., CpG oligodeoxynucleotides enhance host defense during murine tuberculosis. <i>Infect Immun.</i> 2002 Jan;70(1):147-52.	
	C119	KANDIMALLA et al., A dinucleotide motif in oligonucleotides shows potent immunomodulatory activity and overrides species-specific recognition observed with CpG motif. <i>Proc Natl Acad Sci U S A.</i> 2003 Nov 25;100(24):14303-8. Epub 2003 Nov 10.	
	C120	KANDIMALLA et al., Divergent synthetic nucleotide motif recognition pattern: design and development of potent immunomodulatory oligodeoxyribonucleotide agents with distinct cytokine induction profiles. <i>Nucleic Acids Res.</i> 2003 May 1;31(9):2393-400.	
/NMM/	C121	KATAOKA et al., Antitumor activity of synthetic oligonucleotides with sequences from cDNA encoding proteins of <i>Mycobacterium bovis</i> BCG. <i>Jpn J Cancer Res.</i> 1992 Mar;83(3):244-7.	

APPLICATION NO.:	10/816,220	ATTY. DOCKET NO.:	C1037.70039US01
FILING DATE:	April 1, 2004	CONFIRMATION NO.:	8632
APPLICANT:	Davis et al.		
GROUP ART UNIT:	1645	EXAMINER:	MINNIFIELD

Sheet 14 of 23

Examiner's Initials	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
/NMM/	C122	KATAOKA et al., Immunotherapeutic potential in guinea-pig tumor model of deoxyribonucleic acid from Mycobacterium bovis BCG complexed with poly-L-lysine and carboxymethylcellulose. Jpn J Med Sci Biol. 1990 Oct;43(5):171-82.	
	C123	KERN et al., Herpesvirus hominis infection in newborn mice: treatment with interferon inducer polyinosinic-polycytidyl acid. Antimicrob Agents Chemother. 1975 Jun;7(6):793-800.	
	C124	KIMURA et al., Binding of oligoguanosine to scavenger receptors is required for oligonucleotides to augment NK cell activity and induce IFN. J Biochem (Tokyo). 1994 Nov;116(5):991-4.	
	C125	KITAGAKI et al., Microbial DNA and Host Immunity. Chapter 24. page 301.	
	C126	KLINE et al., Modulation of airway inflammation by CpG oligodeoxynucleotides in a murine model of asthma. J Immunol. 1998 Mar 15;160(6):2555-9.	
	C127	KLINE et al., Treatment of established asthma in a murine model using CpG oligodeoxynucleotides. Am J Physiol Lung Cell Mol Physiol. 2002 Jul;283(1):L170-9.	
	C128	KLINE et al., The American Federation for Clinical Research, Midwestern section and Eastern section annual meetings. 1996. Abstracts. J Investig Med. 1996 Sep;44(7): 380A.	
	C129	KLINE et al., Biomedicine '97. Medical research from bench to bedside. Washington, D.C., April 25-27, 1997. Abstracts. J Investig Med. 1997 Mar;45(3): 282A.	
	C130	KLINE et al., American Federation for Medical Research Midwestern Regional Meeting. Chicago, Illinois, September 25-27, 1997. Abstracts. J Investig Med. 1997 Sep;45(7): 298A.	
	C131	KLINE et al., CpG oligodeoxynucleotides do not require TH1 cytokines to prevent eosinophilic airway inflammation in a murine model of asthma. J Allergy Clin Immunol. 1999 Dec;104(6):1258-64.	
	C132	KLINMAN et al., Therapeutic applications of CpG-containing oligodeoxynucleotides. Antisense Nucleic Acid Drug Dev. 1998 Apr;8(2):181-4.	
	C133	KLINMAN et al., Immunotherapeutic applications of CpG-containing oligodeoxynucleotides. Drug News Perspect. 2000 Jun;13(5):289-96.	
	C134	KLINMAN et al., Repeated administration of synthetic oligodeoxynucleotides expressing CpG motifs provides long-term protection against bacterial infection. Infect Immun. 1999 Nov;67(11):5658-63.	
	C135	KLINMAN et al., Activation of the innate immune system by CpG oligodeoxynucleotides: immunoprotective activity and safety. Springer Semin Immunopathol. 2000;22(1-2):173-83.	
	C136	KLINMAN et al., Immune recognition of foreign DNA: a cure for bioterrorism? Immunity. 1999 Aug;11(2):123-9.	
	C137	KLINMAN et al., Contribution of CpG motifs to the immunogenicity of DNA vaccines. J Immunol. 1997 Apr 15;158(8):3635-9.	
	C138	KLINMAN et al., CpG motifs present in bacteria DNA rapidly induce lymphocytes to secrete interleukin 6, interleukin 12, and interferon gamma. Proc Natl Acad Sci U S A. 1996 Apr 2;93(7):2879-83.	
	C139	KLINMAN et al., CpG motifs as immune adjuvants. Vaccine. 1999 Jan;17(1):19-25.	
	C140	KOHAMA et al., Immunostimulatory oligodeoxynucleotide induces TH1 immune response and inhibition of IgE antibody production to cedar pollen allergens in mice. J Allergy Clin Immunol. 1999 Dec;104(6):1231-8.	
	C141	KOU et al., [Analysis and regulation of interferon-gamma production by peripheral blood lymphocytes from patients with bronchial asthma] Arerugi. 1994 Mar;43(3):482-91. Japanese. Abstract only	Y - Abstract Only
	C142	KOVARIK et al., Adjuvant effects of CpG oligodeoxynucleotides on responses against T-independent type 2 antigens. Immunology. 2001 Jan;102(1):67-76.	
	C143	KOVARIK et al., CpG oligodeoxynucleotides can circumvent the Th2 polarization of neonatal responses to vaccines but may fail to fully redirect Th2 responses established by neonatal priming. J Immunol. 1999 Feb 1;162(3):1611-7.	
	C144	KRANZER et al. CpG-oligodeoxynucleotides enhance T-cell receptor-triggered interferon-gamma production and up-regulation of CD69 via induction of antigen-presenting cell-derived interferon type I and interleukin-12. Immunology. 2000 Feb;99(2):170-8.	
	C145	KRIEG et al., Immune effects and therapeutic applications of CpG motifs in bacterial DNA. Immunopharmacology. 2000 Jul 25;48(3):303-5.	
/NMM/	C146	KRIEG et al., American College of Rheumatology 58th National Scientific Meeting. Minneapolis, Minnesota, October 22, 1994. Abstracts. Arthritis Rheum. 1994 Sep;37(9 Suppl).	

/N. M. Minnifield/ (02/02/2008)

FORM PTO-1449/A and B (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT				APPLICATION NO.: 10/816,220	ATTY. DOCKET NO.: C1037.70039US01
				FILING DATE: April 1, 2004	CONFIRMATION NO.: 8632
				APPLICANT: Davis et al.	
Sheet	15	of	23	GROUP ART UNIT: [REDACTED] 1645	EXAMINER: [REDACTED] MINNIE FIELD

Examiner's Initials	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
/NMM/	C147	KRIEG et al., Oligodeoxynucleotide modifications determine the magnitude of B cell stimulation by CpG motifs. <i>Antisense Nucleic Acid Drug Dev.</i> 1996 Summer;6(2):133-9.	
	C148	KRIEG et al., Phosphorothioate oligodeoxynucleotides: antisense or anti-protein? <i>Antisense Res Dev.</i> 1995 Winter;5(4):241.	
	C149	KRIEG et al., <i>Applied Antisense Oligonucleotide Technology</i> , 431-448, 1998.	
	C150	KRIEG, CpG DNA: a pathogenic factor in systemic lupus erythematosus? <i>J Clin Immunol.</i> 1995 Nov;15(6):284-92.	
	C151	KRIEG et al., CpG motifs in bacterial DNA trigger direct B-cell activation. <i>Nature.</i> 1995 Apr 6;374(6522):546-9.	
	C152	KRIEG et al., Modification of antisense phosphodiester oligodeoxynucleotides by a 5' cholesteryl moiety increases cellular association and improves efficacy. <i>Proc Natl Acad Sci U S A.</i> 1993 Feb 1;90(3):1048-52.	
	C153	KRIEG et al., The role of CpG dinucleotides in DNA vaccines. <i>Trends Microbiol.</i> 1998 Jan;6(1):23-7.	
	C154	KRIEG, An innate immune defense mechanism based on the recognition of CpG motifs in microbial DNA. <i>J Lab Clin Med.</i> 1996 Aug;128(2):128-33.	
	C155	KRIEG et al., CpG motifs in bacterial DNA and their immune effects. <i>Annu Rev Immunol.</i> 2002;20:709-60. Epub 2001 Oct 04.	
	C156	KRIEG et al., Causing a commotion in the blood: immunotherapy progresses from bacteria to bacterial DNA. <i>Immunol Today.</i> 2000 Oct;21(10):521-6.	
	C157	KRIEG et al., Chapter 8: Immune Stimulation by Oligonucleotides. <i>in Antisense Research and Application.</i> Crooke, editor. 1998; 243-62.	
	C158	KRIEG et al., A role for endogenous retroviral sequences in the regulation of lymphocyte activation. <i>J Immunol.</i> 1989 Oct 15;143(8):2448-51.	
	C159	KRIEG et al., 1996 Meeting on Molecular Approaches to the Control of Infectious Diseases. Cold Spring Harbor Laboratory, September 9-13, 1996: p116.	
	C160	KRIEG et al., Enhancing vaccines with immune stimulatory CpG DNA. <i>Curr Opin Mol Ther.</i> 2001 Feb;3(1):15-24.	
	C161	KRIEG et al., Ernst Schering Research Found Workshop, (30): 105-18, 2001.	
	C162	KRIEG, Immune effects and mechanisms of action of CpG motifs. <i>Vaccine.</i> 2000 Nov 8;19(6):618-22.	
	C163	KRIEG et al., Chapter 17:Immune stimulation by oligonucleotides. <i>in Antisense Drug Tech.</i> 2001;1394:471-515.	
	C164	KRIEG et al., Mechanisms and applications of immune stimulatory CpG oligodeoxynucleotides. <i>Biochim Biophys Acta.</i> 1999 Dec 10;1489(1):107-16.	
	C165	KRIEG et al., The CpG motif: Implications for clinical immunology. <i>BioDrugs.</i> 1998 Nov 1;10(5):341-6.	
	C166	KRIEG, The role of CpG motifs in innate immunity. <i>Curr Opin Immunol.</i> 2000 Feb;12(1):35-43.	
	C167	KRIEG et al., Mechanism of action of CpG DNA. <i>Curr Top Microbiol Immunol.</i> 2000;247:1-21.	
	C168	KRIEG et al., Mechanisms and therapeutic applications of immune stimulatory CpG DNA. <i>Pharmacol Ther.</i> 1999 Nov;84(2):113-20.	
	C169	KRIEG et al., Sequence motifs in adenoviral DNA block immune activation by stimulatory CpG motifs. <i>Proc Natl Acad Sci U S A.</i> 1998 Oct 13;95(21):12631-6.	
	C170	KRIEG et al., CpG DNA induces sustained IL-12 expression in vivo and resistance to Listeria monocytogenes challenge. <i>J Immunol.</i> 1998 Sep 1;161(5):2428-34.	
	C171	KRIEG, Signal transduction induced by immunostimulatory CpG DNA. <i>Springer Semin Immunopathol.</i> 2000;22(1-2):97-105.	
	C172	KRIEG, Lymphocyte activation by CpG dinucleotide motifs in prokaryotic DNA. <i>Trends Microbiol.</i> 1996 Feb;4(2):73-6.	
	C173	KRINGEL et al., CpG-oligodeoxynucleotides enhance porcine immunity to Toxoplasma gondii. <i>Vet Parasitol.</i> 2004 Aug 13;123(1-2):55-66.	
	C174	KROWN et al., Phase I trial with the interferon inducer polyI/poly-I-lysine (Poly ICL). <i>Journal of Interferon Research,</i> 3: 281-90, 1983.	
/NMM/	C175	KROWN et al., Interferons and interferon inducers in cancer treatment. <i>Semin Oncol.</i> 1986 Jun;13(2):207-17.	

/N. M. Minnield/ (02/02/2008)

FORM PTO-1449/A and B (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT				APPLICATION NO.: 10/816,220	ATTY. DOCKET NO.: C1037.70039US01
				FILING DATE: April 1, 2004	CONFIRMATION NO.: 8632
				APPLICANT: Davis et al.	
				GROUP ART UNIT: [REDACTED] 1645	EXAMINER: [REDACTED] MINNIEFIELD
Sheet	16	of	23		

Examiner's Initials	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
/NMM/	C176	KRUG et al., Identification of CpG oligonucleotide sequences with high induction of IFN-alpha/beta in plasmacytoid dendritic cells. Eur J Immunol. 2001 Jul;31(7):2154-63.	
	C177	KRUG et al., Toll-like receptor expression reveals CpG DNA as a unique microbial stimulus for plasmacytoid dendritic cells which synergizes with CD40 ligand to induce high amounts of IL-12. Eur J Immunol. 2001 Oct;31(10):3026-37.	
	C178	KUKOWSKA-LATALLO et al., Efficient transfer of genetic material into mammalian cells using Starburst polyamidoamine dendrimers. Proc Natl Acad Sci U S A. 1996 May 14;93(10):4897-902.	
	C179	KURAMOTO et al., Induction of T-cell-mediated immunity against MethA fibrosarcoma by intratumoral injections of a bacillus Calmette-Guerin nucleic acid fraction. Cancer Immunol Immunother. 1992;34(5):283-8.	
	C180	KURAMOTO et al., Changes of host cell infiltration into Meth A fibrosarcoma tumor during the course of regression induced by injections of a BCG nucleic acid fraction. Int J Immunopharmacol. 1992 Jul;14(5):773-82.	
	C181	KURAMOTO et al., Oligonucleotide sequences required for natural killer cell activation. Jpn J Cancer Res. 1992 Nov;83(11):1128-31.	
	C182	KURAMOTO et al., In situ infiltration of natural killer-like cells induced by intradermal injection of the nucleic acid fraction from BCG. Microbiol Immunol. 1989;33(11):929-40.	
	C183	LALLY et al., Unmasking cryptic epitopes after loss of immunodominant tumor antigen expression through epitope spreading. Int J Cancer. 2001 Sep 15;93(6):841-7.	
	C184	LANG et al., Guanosine-rich oligodeoxynucleotides induce proliferation of macrophage progenitors in cultures of murine bone marrow cells. Eur J Immunol. 1999 Nov;29(11):3496-506.	
	C185	LeCLERC et al., The preferential induction of a Th1 immune response by DNA-based immunization is mediated by the immunostimulatory effect of plasmid DNA. Cell Immunol. 1997 Aug 1;179(2):97-106.	
	C186	LEDERMAN et al., Polydeoxyguanine motifs in a 12-mer phosphorothioate oligodeoxynucleotide augment binding to the v3 loop of HIV-1 gp120 and potency of HIV-1 inhibition independency of G-tetrad formation. Antisense Nucleic Acid Drug Dev. 1996 Winter;6(4):281-9.	
	C187	LEE et al., An oligonucleotide blocks interferon-gamma signal transduction. Transplantation. 1996 Nov 15;62(9):1297-301.	
	C188	LEE et al., CpG motif in synthetic ODN primes respiratory burst of olive flounder Paralichthys olivaceus phagocytes and enhances protection against Edwardsiella tarda. Dis Aquat Organ. 2003 Aug 15;56(1):43-8.	
	C189	LEONARD et al., Interleukin-12: potential role in asthma therapy. BioDrugs. 2003;17(1):1-7. Review.	
	C190	LEVINE et al., Phase I-II trials of poly IC stabilized with poly-L-lysine. Cancer Treat Rep. 1978 Nov;62(11):1907-12.	
	C191	LEVY et al., Prophylactic control of simian hemorrhagic fever in monkeys by an interferon inducer, polyribenosinic-polyribocytidylic acid-poly-L-lysine. J Infect Dis. 1976 Jun;133 Suppl:A256-9.	
	C192	LIAU et al., Tumor immunity within the central nervous system stimulated by recombinant Listeria monocytogenes vaccination. Cancer Res. 2002 Apr 15;62(8):2287-93.	
	C193	LIPFORD et al., CpG-containing synthetic oligonucleotides promote B and cytotoxic T cell responses to protein antigen: a new class of vaccine adjuvants. Eur J Immunol. 1997 Sep;27(9):2340-4.	
	C194	LIPFORD et al., Immunostimulatory DNA: sequence-dependent production of potentially harmful or useful cytokines. Eur J Immunol. 1997 Dec;27(12):3420-6.	
	C195	LIPFORD et al., Bacterial DNA as immune cell activator. Trends Microbiol. 1998 Dec;6(12):496-500.	
	C196	LIU et al., CpG directly induces T-bet expression and inhibits IgG1 and IgE switching in B cells. Nat Immunol. 2003 Jul;4(7):687-93. Epub 2003 May 25.	
	C197	LIU et al., Immunostimulatory CpG oligodeoxynucleotides enhance the immune response to vaccine strategies involving granulocyte-macrophage colony-stimulating factor. Blood. 1998 Nov 15;92(10):3730-6.	
	C198	LOKE et al., Delivery of c-myc antisense phosphorothioate oligodeoxynucleotides to hematopoietic cells in culture by liposome fusion: specific reduction in c-myc protein expression correlates with inhibition of cell growth and DNA synthesis. Curr Top Microbiol Immunol. 1988;141:282-9.	
	C199	MA et al., DNA-based vaccination against hepatitis C virus (HCV): effect of expressing different forms of HCV E2 protein and use of CpG-optimized vectors in mice. Vaccine. 2002 Sep 10;20(27-28):3263-71.	
/NMM/	C200	MACAYA et al., Thrombin-binding DNA aptamer forms a unimolecular quadruplex structure in solution. Proc Natl Acad Sci U S A. 1993 Apr 15;90(8):3745-9.	

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Sheet 17 of 23

APPLICATION NO.:	10/816,220	ATTY. DOCKET NO.:	C1037.70039US01
FILING DATE:	April 1, 2004	CONFIRMATION NO.:	8632
APPLICANT:	Davis et al.		
GROUP ART UNIT:	1645	EXAMINER:	MINNIFIELD

Examiner's Initials	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
/NMM/	C201	MacFARLANE et al., Unmethylated CpG-containing oligodeoxynucleotides inhibit apoptosis in WEHI 231 B lymphocytes induced by several agents: evidence for blockade of apoptosis at a distal signalling step. Immunology. 1997 Aug;91(4):586-93.	
	C202	MacGREGOR et al., First human trial of a DNA-based vaccine for treatment of human immunodeficiency virus type 1 infection: safety and host response. J Infect Dis. 1998 Jul;178(1):92-100.	
	C203	MALANCHERE-BRES et al., CpG oligodeoxynucleotides with hepatitis B surface antigen (HBsAg) for vaccination in HBsAg-transgenic mice. J Virol. 2001 Jul;75(14):6482-91.	
	C204	MALOY et al., Induction of Th1 and Th2 CD4+ T cell responses by oral or parenteral immunization with ISCOMS. Eur J Immunol. 1995 Oct;25(10):2835-41.	
	C205	MALTESE et al., Sequence context of antisense RelA/NF-kappa B phosphorothioates determines specificity. Nucleic Acids Res. 1995 Apr 11;23(7):1146-51.	
	C206	MANZEL et al., CpG-oligodeoxynucleotide-resistant variant of WEHI 231 cells. J Leukoc Biol. 1999 Nov;66(5):817-21.	
	C207	MARKIEWICZ et al., Epitope spreading upon P815 tumor rejection triggered by vaccination with the single class I MHC-restricted peptide P1A. Int Immunol. 2001 May;13(5):625-32.	
	C208	MARSHALL et al., Immunostimulatory sequence DNA linked to the Amb a 1 allergen promotes T(H)1 cytokine expression while downregulating T(H)2 cytokine expression in PBMCs from human patients with ragweed allergy. J Allergy Clin Immunol. 2001 Aug;108(2):191-7.	
	C209	MARTIN-OROZCO et al., Enhancement of antigen-presenting cell surface molecules involved in cognate interactions by immunostimulatory DNA sequences. Int Immunol. 1999 Jul;11(7):1111-8.	
	C210	MATSON et al., Nonspecific suppression of [³ H]thymidine incorporation by "control" oligonucleotides. Antisense Res Dev. 1992 Winter;2(4):325-30.	
	C211	MATSUKURA et al., Regulation of viral expression of human immunodeficiency virus in vitro by an antisense phosphorothioate oligodeoxynucleotide against rev (art/trs) in chronically infected cells. Proc Natl Acad Sci U S A. 1989 Jun;86(11):4244-8.	
	C212	MCCLUSKIE et al., CpG DNA is a potent enhancer of systemic and mucosal immune responses against hepatitis B surface antigen with intranasal administration to mice. J Immunol. 1998 Nov 1;161(9):4463-6.	
	C213	MCCLUSKIE et al., CpG DNA as mucosal adjuvant. Vaccine. 18: 231-237, 2000.	
	C214	MCCLUSKIE et al., Oral, intrarectal and intranasal immunizations using CpG and non-CpG oligodeoxynucleotides as adjuvants. Vaccine. 2000 Oct 15;19(4-5):413-22.	
	C215	MCCLUSKIE et al., Novel strategies using DNA for the induction of mucosal immunity. Crit Rev Immunol. 1999;19(4):303-29.	
	C216	MCCLUSKIE et al., Immunization against hepatitis B virus by mucosal administration of antigen-antibody complexes. Viral Immunol. 1998;11(4):245-52.	
	C217	MCCLUSKIE et al., CpG DNA is an effective oral adjuvant to protein antigens in mice. Vaccine. 2000 Nov 22;19(7-8):950-7.	
	C218	MCCLUSKIE et al., Route and method of delivery of DNA vaccine influence immune responses in mice and non-human primates. Mol Med. 1999 May;5(5):287-300.	
	C219	MCCLUSKIE et al., The potential of oligodeoxynucleotides as mucosal and parenteral adjuvants. Vaccine. 2001 Mar 21;19(17-19):2657-60.	
	C220	MCCLUSKIE et al., The use of CpG DNA as a mucosal vaccine adjuvant. Curr Opin Investig Drugs. 2001 Jan;2(1):35-9.	
	C221	MCCLUSKIE et al., Mucosal immunization of mice using CpG DNA and/or mutants of the heat-labile enterotoxin of Escherichia coli as adjuvants. Vaccine. 2001 Jun 14;19(27):3759-68.	
	C222	MCCLUSKIE et al., The potential of CpG oligodeoxynucleotides as mucosal adjuvants. Crit Rev Immunol. 2001;21(1-3):103-20.	
	C223	MCCLUSKIE et al., Parenteral and mucosal prime-boost immunization strategies in mice with hepatitis B surface antigen and CpG DNA. FEMS Immunol Med Microbiol. 2002 Feb 18;32(3):179-85.	
/NMM/	C224	MCCLUSKIE et al., Mucosal immunization with DNA vaccines. Microbes Infect. 1999 Jul;1(9):685-98.	

/N. M. Minnifield/ (02/02/2008)

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

APPLICATION NO.:	10/816,220	ATTY. DOCKET NO.:	C1037.70039US01
FILING DATE:	April 1, 2004	CONFIRMATION NO.:	8632
APPLICANT:	Davis et al.		
Sheet	18	of	23
GROUP ART UNIT:	1645	EXAMINER:	MINN IFIELD

Examiner's Initials	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
/NMM/	C225	MCCLUSKIE et al., Intranasal immunization of mice with CpG DNA induces strong systemic and mucosal responses that are influenced by other mucosal adjuvants and antigen distribution. Mol Med. 2000 Oct;6(10):867-77.	
	C226	MCCLUSKIE et al., The role of CpG in DNA vaccines. Springer Semin Immunopathol. 2000;22(1-2):125-32.	
	C227	MCCLUSKIE et al., Novel adjuvant systems. Curr Drug Targets Infect Disord. 2001 Nov;1(3):263-71.	
	C228	MCGHEE et al., The mucosal immune system: from fundamental concepts to vaccine development. Vaccine. 1992;10(2):75-88.	
	C229	McINTYRE et al., A sense phosphorothioate oligonucleotide directed to the initiation codon of transcription factor NF-kappa B p65 causes sequence-specific immune stimulation. Antisense Res Dev. 1993 Winter;3(4):309-22.	
	C230	MERAD et al., Proc Annu Meet Am Assoc Cancer Res. 2001 Mar; 42. Abstract.	
	C231	MESSINA et al., Stimulation of in vitro murine lymphocyte proliferation by bacterial DNA. J Immunol. 1991 Sep 15;147(6):1759-64.	
	C232	MICHELSON et al. Poly(A).poly(U) as adjuvant in cancer treatment distribution and pharmacokinetics in rabbits. Proc Soc Exp Biol Med. 1985 Jun;179(2):180-6.	
	C233	MITCHELL et al., RNA transfected dendritic cells as cancer vaccines. Curr Opin Mol Ther. 2000 Apr;2(2):176-81.	
	C234	MOJCIK et al., Administration of a phosphorothioate oligonucleotide antisense to murine endogenous retroviral MCF env causes immune effects in vivo in a sequence-specific manner. Clin Immunol Immunopathol. 1993 May;67(2):130-6.	
	C235	MOLDOVEANU et al., CpG DNA, a novel immune enhancer for systemic and mucosal immunization with influenza virus. Vaccine. 1998 Jul;16(11-12):1216-24.	
	C236	MONTEITH et al., Immune stimulation--a class effect of phosphorothioate oligodeoxynucleotides in rodents. Anticancer Drug Des. 1997 Jul;12(5):421-32.	
	C237	MOSS et al., In vitro immune function after vaccination with an inactivated, gp120-depleted HIV-1 antigen with immunostimulatory oligodeoxynucleotides. Vaccine. 2000 Jan 6;18(11-12):1081-7.	
	C238	MOSMANN et al., The expanding universe of T-cell subsets: Th1, Th2 and more. Immunol Today. 1996 Mar;17(3):138-46. Review.	
	C239	MUI et al., Immune stimulation by a CpG-containing oligodeoxynucleotide is enhanced when encapsulated and delivered in lipid particles. J Pharmacol Exp Ther. 2001 Sep;298(3):1185-92.	
	C240	NYCE et al., DNA antisense therapy for asthma in an animal model. Nature. 1997 Feb 20;385(6618):721-5.	
	C241	OCHIAI et al., Studies on lymphocyte subsets of regional lymph nodes after endoscopic injection of biological response modifiers in gastric cancer patients. Int J Immunotherapy. 1986;1(4):259-65.	
	C242	OKADA et al., Bone marrow-derived dendritic cells pulsed with a tumor-specific peptide elicit effective anti-tumor immunity against intracranial neoplasms. Int J Cancer. 1998 Oct 5;78(2):196-201.	
	C243	PAL et al., Immunization with the Chlamydia trachomatis mouse pneumonitis major outer membrane protein by use of CpG oligodeoxynucleotides as an adjuvant induces a protective immune response against an intranasal chlamydial challenge. Infect Immun. 2002 Sep;70(9):4812-7.	
	C244	PARK et al., The enhanced effect of a hexameric deoxyriboguanosine run conjugation to CpG oligodeoxynucleotides on protection against allergic asthma. J Allergy Clin Immunol. 2001 Oct;108(4):570-6.	
	C245	PARK et al. Adjuvant effect of polyadenylic.polyuridylic acid on antibody production of recombinant hepatitis B surface antigen in mice. Int J Immunopharmacol. 1995 Jun;17(6):513-6.	
	C246	PARRONCHI et al., Phosphorothioate oligodeoxynucleotides promote the in vitro development of human allergen-specific CD4+ T cells into Th1 effectors. J Immunol. 1999 Dec 1;163(11):5946-53.	
	C247	PAYETTE et al., History of vaccines and positioning of current trends. Curr Drug Targets Infect Disord. 2001 Nov;1(3):241-7.	
	C248	PENG et al., CpG oligodeoxynucleotide vaccination suppresses IgE induction but may fail to down-regulate ongoing IgE responses in mice. Int Immunol. 2001 Jan;13(1):3-11.	
/NMM/	C249	PERLAKY et al., Growth inhibition of human tumor cell lines by antisense oligonucleotides designed to inhibit p120 expression. Anticancer Drug Des. 1993 Feb;8(1):3-14.	

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

Sheet

19

of

23

APPLICATION NO.:	10/816,220	ATTY. DOCKET NO.:	CI037.70039US01
FILING DATE:	April 1, 2004	CONFIRMATION NO.:	8632
APPLICANT:	Davis et al.		
GROUP ART UNIT:	1645	EXAMINER:	MINNIFIELD

Examiner's Initials	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
/NMM/	C250	PINHAL-ENFIELD et al., An angiogenic switch in macrophages involving synergy between Toll-like receptors 2, 4, 7, and 9 and adenosine A(2A) receptors. <i>Am J Pathol.</i> 2003 Aug;163(2):711-21.	
	C251	PISETSKY et al., The immunologic properties of DNA. <i>J Immunol.</i> 1996 Jan 15;156(2):421-3.	
	C252	PISETSKY et al., Immunological properties of bacterial DNA. <i>Ann N Y Acad Sci.</i> 1995 Nov 27;772:152-63.	
	C253	PISETSKY et al., Stimulation of murine lymphocyte proliferation by a phosphorothioate oligonucleotide with antisense activity for herpes simplex virus. <i>Life Sci.</i> 1994;54(2):101-7.	
	C254	PISETSKY, Immunologic consequences of nucleic acid therapy. <i>Antisense Res Dev.</i> 1995 Fall;5(3):219-25.	
	C255	PISETSKY et al., Stimulation of in vitro proliferation of murine lymphocytes by synthetic oligodeoxynucleotides. <i>Mol Biol Rep.</i> 1993 Oct;18(3):217-21.	
	C256	PISETSKY, The influence of base sequence on the immunostimulatory properties of DNA. <i>Immunol Res.</i> 1999;19(1):35-46.	
	C257	PISETSKY et al., Immune activation by bacterial DNA: a new genetic code. <i>Immunity.</i> 1996 Oct;5(4):303-10.	
	C258	PRASAD et al., Oligonucleotides tethered to a short polyguanylic acid stretch are targeted to macrophages: enhanced antiviral activity of a vesicular stomatitis virus-specific antisense oligonucleotide. <i>Antimicrob Agents Chemother.</i> 1999 Nov;43(11):2689-96.	
	C259	RAGHAVAN et al., Orally administered CpG oligodeoxynucleotide induces production of CX-C and CC chemokines in the gastric mucosa and suppresses bacterial colonization in a mouse model of Helicobacter pylori infection. <i>Infect Immun.</i> 2003 Dec;71(12):7014-22.	
	C260	RAMANATHAN et al., Characterization of the oligodeoxynucleotide-mediated inhibition of interferon-gamma-induced major histocompatibility complex class I and intercellular adhesion molecule-1. <i>J Biol Chem.</i> 1994 Oct 7;269(40):24564-74.	
	C261	RAMANATHAN et al., Inhibition of interferon-gamma-induced major histocompatibility complex class I expression by certain oligodeoxynucleotides. <i>Transplantation.</i> 1994 Feb 27;57(4):612-5.	
	C262	RANIERI et al., Dendritic cell/peptide cancer vaccines: clinical responsiveness and epitope spreading. <i>Immunol Invest.</i> 2000 May;29(2):121-5.	
	C263	RANKIN et al., CpG motif identification for veterinary and laboratory species demonstrates that sequence recognition is highly conserved. <i>Antisense Nucleic Acid Drug Dev.</i> 2001 Oct;11(5):333-40.	
	C264	RANKIN et al., CpG-containing oligodeoxynucleotides augment and switch the immune responses of cattle to bovine herpesvirus-1 glycoprotein D. <i>Vaccine.</i> 2002 Jul 26;20(23-24):3014-22.	
	C265	RATJCZAK et al., In vivo treatment of human leukemia in a scid mouse model with c-myb antisense oligodeoxynucleotides. <i>Proc Natl Acad Sci U S A.</i> 1992 Dec 15;89(24):11823-7.	
	C266	RAY et al., Experimental Biology 2001. Orlando, Florida, USA. March 31-April 4, 2001. Abstracts, part II. <i>FASEB J.</i> 2001 Mar 8;15(5):A1007.	
	C267	RAZ et al., Preferential induction of a Th1 immune response and inhibition of specific IgE antibody formation by plasmid DNA immunization. <i>Proc Natl Acad Sci U S A.</i> 1996 May 14;93(10):5141-5.	
	C268	RICCI et al., T cells, cytokines, IgE and allergic airways inflammation. <i>J Investig Allergol Clin Immunol.</i> 1994 Sep-Oct;4(5):214-20.	
	C269	ROBINSON et al., Predominant TH2-like bronchoalveolar T-lymphocyte population in atopic asthma. <i>N Engl J Med.</i> 1992 Jan 30;326(5):298-304.	
	C270	RODGERS et al., Effects of acute administration of O,S,S-trimethyl phosphorodithioate on the generation of cellular and humoral immune responses following in vitro stimulation. <i>Toxicology.</i> 1988 Oct;51(2-3):241-53.	
	C271	ROMAN et al., Immunostimulatory DNA sequences function as T helper-1-promoting adjuvants. <i>Nat Med.</i> 1997 Aug;3(8):849-54.	
	C272	ROTHENFUSSER et al., Recent advances in immunostimulatory CpG oligonucleotides. <i>Curr Opin Mol Ther.</i> 2003 Apr;5(2):98-106.	
	C273	SAJIC et al., Parameters of CpG oligodeoxynucleotide-induced protection against intravaginal HSV-2 challenge. <i>J Med Virol.</i> 2003 Dec;71(4):561-8.	
/NMM/	C274	SANDLER et al., CpG oligonucleotides enhance the tumor antigen-specific immune response of a granulocyte macrophage colony-stimulating factor-based vaccine strategy in neuroblastoma. <i>Cancer Res.</i> 2003 Jan 15;63(2):394-9.	

/N. M. Minnifield/ (02/02/2008)

FORM PTO-1449/A and B (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT				APPLICATION NO.: 10/816,220	ATTY. DOCKET NO.: C1037.70039US01
				FILING DATE: April 1, 2004	CONFIRMATION NO.: 8632
				APPLICANT: Davis et al.	
Sheet	20	of	23	GROUP ART UNIT: 1645	EXAMINER: MINNIEFIELD

Examiner's Initials	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
/NMM/	C275	SANDRASAGRA et al., Discovery and development of respirable antisense therapeutics for asthma. Antisense Nucleic Acid Drug Dev. 2002 Jun;12(3):177-81. Review.	
	C276	SATO et al., Immunostimulatory DNA sequences necessary for effective intradermal gene immunization. Science. 1996 Jul 19;273(5273):352-4.	
	C277	SCHWARTZ et al., Bacterial DNA or oligonucleotides containing unmethylated CpG motifs can minimize lipopolysaccharide-induced inflammation in the lower respiratory tract through an IL-12-dependent pathway. J Immunol. 1999 Jul 1;163(1):224-31.	
	C278	SCHWARTZ et al., CpG motifs in bacterial DNA cause inflammation in the lower respiratory tract. J Clin Invest. 1997 Jul 1;100(1):68-73.	
	C279	SEDEGAH et al., Interleukin 12 induction of interferon gamma-dependent protection against malaria. Proc Natl Acad Sci U S A. 1994 Oct 25;91(22):10700-2.	
	C280	SESTER et al., Phosphorothioate backbone modification modulates macrophage activation by CpG DNA. J Immunol. 2000 Oct 15;165(8):4165-73.	
	C281	SETHI et al., Postexposure prophylaxis against prion disease with a stimulator of innate immunity. Lancet. 2002 Jul 20;360(9328):229-30.	
	C282	SINGH et al., Advances in vaccine adjuvants. Nat Biotechnol. 1999 Nov;17(11):1075-81.	
	C283	SJOLANDER et al., Iscoms containing purified Quillaja saponins upregulate both Th1-like and Th2-like immune responses. Cell Immunol. 1997 Apr 10;177(1):69-76.	
	C284	SPARWASSER et al., Bacterial DNA causes septic shock. Nature. 1997 Mar 27;386(6623):336-7.	
	C285	SPARWASSER et al., Bacterial DNA and immunostimulatory CpG oligonucleotides trigger maturation and activation of murine dendritic cells. Eur J Immunol. 1998 Jun;28(6):2045-54.	
	C286	SPARWASSER et al., Macrophages sense pathogens via DNA motifs: induction of tumor necrosis factor-alpha-mediated shock. Eur J Immunol. 1997 Jul;27(7):1671-9.	
	C287	SPIEGELBERG et al., DNA-based approaches to the treatment of allergies. Curr Opin Mol Ther. 2002 Feb;4(1):64-71.	
	C288	STAATS et al., Mucosal immunity to infection with implications for vaccine development. Curr Opin Immunol. 1994 Aug;6(4):572-83.	
	C289	STACEY et al., Immunostimulatory DNA as an adjuvant in vaccination against Leishmania major. Infect Immun. 1999 Aug;67(8):3719-26.	
	C290	STEIN et al., Antisense oligonucleotides as therapeutic agents--is the bullet really magical? Science. 1993 Aug 20;261(5124):1004-12.	
	C291	STUART et al., Start-Up. April, 1999. 12-20.	
	C292	SUN et al. Type I interferon-mediated stimulation of T cells by CpG DNA. J Exp Med. 1998 Dec 21;188(12):2335-42.	
	C293	SUN et al. Multiple effects of immunostimulatory DNA on T cells and the role of type I interferons. Springer Semin Immunopathol. 2000;22(1-2):77-84.	
	C294	SUN et al., Mitogenicity of DNA from different organisms for murine B cells. J Immunol. 1997 Oct 1;159(7):3119-25.	
	C295	SUR et al., Long term prevention of allergic lung inflammation in a mouse model of asthma by CpG oligodeoxynucleotides. J Immunol. 1999 May 15;162(10):6284-93.	
	C296	TACKET et al., Phase 1 safety and immune response studies of a DNA vaccine encoding hepatitis B surface antigen delivered by a gene delivery device. Vaccine. 1999 Jul 16;17(22):2826-9.	
	C297	TAKATSUKI et al., Interleukin 6 perfusion stimulates reconstitution of the immune and hematopoietic systems after 5-fluorouracil treatment. Cancer Res. 1990 May 15;50(10):2885-90.	
	C298	TALMADGE et al., Immunomodulatory effects in mice of polyinosinic-polycytidylic acid complexed with poly-L-lysine and carboxymethylcellulose. Cancer Res. 1985 Mar;45(3):1058-65.	
	C299	TANAKA et al., An antisense oligonucleotide complementary to a sequence in Igamma 2b increases gamma 2b germline transcripts, stimulates B cell DNA synthesis, and inhibits immunoglobulin secretion. J Exp Med. 1992 Feb 1;175(2):597-607.	
/NMM/	C300	TEMPLIN et al., 38th Annual meeting of the Society of Toxicology. New Orleans, Louisiana, USA. March 14-18, 1999. Abstracts. Toxicol Sci. 1999 Mar;48(1 Suppl):170.	

/N. M. Minnifield/ (02/02/2008)

APPLICATION NO.:	10/816,220	ATTY. DOCKET NO.:	C1037.70039US01
FILING DATE:	April 1, 2004	CONFIRMATION NO.:	8632
APPLICANT:	Davis et al.		
GROUP ART UNIT:	1645	EXAMINER:	MINNIFIELD

Sheet 21 of 23

Examiner's Initials	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
/NMM/	C301	THREADGILL et al., Mitogenic synthetic polynucleotides suppress the antibody response to a bacterial polysaccharide. <i>Vaccine</i> . 1998 Jan;16(1):76-82.	
	C302	TIGHE et al., Conjugation of protein to immunostimulatory DNA results in a rapid, long-lasting and potent induction of cell-mediated and humoral immunity. <i>Eur J Immunol</i> . 2000 Jul;30(7):1939-47.	
	C303	TIGHE et al., Conjugation of immunostimulatory DNA to the short ragweed allergen amb a I enhances its immunogenicity and reduces its allergenicity. <i>J Allergy Clin Immunol</i> . 2000 Jul;106(1 Pt 1):124-34.	
	C304	TOKUNAGA et al., A synthetic single-stranded DNA, poly(dG,dC), induces interferon-alpha/beta and -gamma, augments natural killer activity, and suppresses tumor growth. <i>Jpn J Cancer Res</i> . 1988 Jun;79(6):682-6.	
	C305	TOKUNAGA et al., Synthetic oligonucleotides with particular base sequences from the cDNA encoding proteins of <i>Mycobacterium bovis</i> BCG induce interferons and activate natural killer cells. <i>Microbiol Immunol</i> . 1992;36(1):55-66.	
	C306	TORTORA et al., Oral antisense that targets protein kinase A cooperates with taxol and inhibits tumor growth, angiogenesis, and growth factor production. <i>Clin Cancer Res</i> . 2000 Jun;6(6):2506-12.	
	C307	TOURNOY et al., Is Th1 the solution for Th2 in asthma? <i>Clin Exp Allergy</i> . 2002 Jan;32(1):17-29.	
	C308	TRACEY et al., Immunopharmacology of infectious disease 1987: 279.	
	C309	UGEN et al., DNA vaccination with HIV-1 expressing constructs elicits immune responses in humans. <i>Vaccine</i> . 1998 Nov;16(19):1818-21.	
	C310	UHLMANN et al., Antisense oligonucleotides: a new therapeutic principle. <i>Chem Rev</i> . 1990 Jun;90(4):543-84.	
	C311	UHLMANN et al., Recent advances in the development of immunostimulatory oligonucleotides. <i>Curr Opin Drug Discov Devel</i> . 2003 Mar;6(2):204-17.	
	C312	VAN UDEN et al., Immunostimulatory DNA and applications to allergic disease. <i>J Allergy Clin Immunol</i> . 1999 Nov;104(5):902-10.	
	C313	VANDERLUGT et al., Epitope spreading in immune-mediated diseases: implications for immunotherapy. <i>Nat Rev Immunol</i> . 2002 Feb;2(2):85-95.	
	C314	VOLLMER et al., Highly immunostimulatory CpG-free oligodeoxynucleotides for activation of human leukocytes. <i>Antisense Nucleic Acid Drug Dev</i> . 2002 Jun;12(3):165-75.	
	C315	VOLLMER et al., Characterization of three CpG oligodeoxynucleotide classes with distinct immunostimulatory activities. <i>Eur J Immunol</i> . 2004 Jan;34(1):251-62.	
	C316	VOLLMER et al., Oligodeoxynucleotides lacking CpG dinucleotides mediate Toll-like receptor 9 dependent T helper type 2 biased immune stimulation. <i>Immunology</i> . 2004 Oct;113(2):212-23.	
	C317	WAAG et al., Injection of inactivated phase I <i>Coxiella burnetii</i> increases non-specific resistance to infection and stimulates lymphokine production in mice. <i>Ann N Y Acad Sci</i> . 1990;590:203-14.	
	C318	WAGNER, Interactions between bacterial CpG-DNA and TLR9 bridge innate and adaptive immunity. <i>Curr Opin Microbiol</i> . 2002 Feb;5(1):62-9.	
	C319	WALKER et al., Immunostimulatory oligodeoxynucleotides promote protective immunity and provide systemic therapy for leishmaniasis via IL-12- and IFN-gamma-dependent mechanisms. <i>Proc Natl Acad Sci U S A</i> . 1999 Jun 8;96(12):6970-5.	
	C320	WANG et al., Synergy between CpG- or non-CpG DNA and specific antigen for B cell activation. <i>Int Immunol</i> . 2003 Feb;15(2):223-31.	
	C321	WANG et al., Induction of antigen-specific cytotoxic T lymphocytes in humans by a malaria DNA vaccine. <i>Science</i> . 1998 Oct 16;282(5388):476-80.	
	C322	WARREN et al., APC stimulated by CpG oligodeoxynucleotide enhance activation of MHC class I-restricted T cells. <i>J Immunol</i> . 2000 Dec 1;165(11):6244-51.	
	C323	WEERATNA et al., CpG DNA induces stronger immune responses with less toxicity than other adjuvants. <i>Vaccine</i> . 2000 Mar 6;18(17):1755-62.	
	C324	WEERATNA et al., Reduction of antigen expression from DNA vaccines by coadministered oligodeoxynucleotides. <i>Antisense Nucleic Acid Drug Dev</i> . 1998 Aug;8(4):351-6.	
/NMM/	C325	WEERATNA et al., CPG ODN allows lower dose of antigen against hepatitis B surface antigen in BALB/c mice. <i>Immunol Cell Biol</i> . 2003 Feb;81(1):59-62.	

APPLICATION NO.:	10/816,220	ATTY. DOCKET NO.:	C1037.70039US01
FILING DATE:	April 1, 2004	CONFIRMATION NO.:	8632
APPLICANT:	Davis et al.		
GROUP ART UNIT:	1645	EXAMINER:	MINNIFIELD

Sheet 22 of 23

Examiner's Initials	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
/NMM/	C326	WEERATNA et al., CpG ODN can re-direct the Th bias of established Th2 immune responses in adult and young mice. <i>FEMS Immunol Med Microbiol.</i> 2001 Dec;32(1):65-71.	
	C327	WEERATNA et al., Priming of immune responses to hepatitis B surface antigen in young mice immunized in the presence of maternally derived antibodies. <i>FEMS Immunol Med Microbiol.</i> 2001 Apr;30(3):241-7.	
	C328	WEIGEL et al., Comparative analysis of murine marrow-derived dendritic cells generated by Flt3L or GM-CSF/IL-4 and matured with immune stimulatory agents on the in vivo induction of antileukemia responses. <i>Blood.</i> 2002 Dec 1;100(12):4169-76. Epub 2002 Aug 08.	
	C329	WEIGHARDT et al., Increased resistance against acute polymicrobial sepsis in mice challenged with immunostimulatory CpG oligodeoxynucleotides is related to an enhanced innate effector cell response. <i>J Immunol.</i> 2000 Oct 15;165(8):4537-43.	
	C330	WEINER et al., Immunostimulatory oligodeoxynucleotides containing the CpG motif are effective as immune adjuvants in tumor antigen immunization. <i>Proc Natl Acad Sci U S A.</i> 1997 Sep 30;94(20):10833-7.	
	C331	WERNETTE et al., CpG oligodeoxynucleotides stimulate canine and feline immune cell proliferation. <i>Vet Immunol Immunopathol.</i> 2002 Jan 15;84(3-4):223-36.	
	C332	WILTROUT et al., Immunomodulation of natural killer activity by polyribonucleotides. <i>J Biol Response Mod.</i> 1985 Oct;4(5):512-7.	
	C333	WOOLDRIDGE et al. Proceedings of American Association for Cancer Research, 37: 477, 1996.	
	C334	WOOLDRIDGE et al., Immunostimulatory oligodeoxynucleotides containing CpG motifs enhance the efficacy of monoclonal antibody therapy of lymphoma. <i>Blood.</i> 1997 Apr 15;89(8):2994-8.	
	C335	WU et al., Receptor-mediated gene delivery and expression in vivo. <i>J Biol Chem.</i> 1988 Oct 15;263(29):14621-4.	
	C336	WYATT et al. Combinatorially selected guanosine-quartet structure is a potent inhibitor of human immunodeficiency virus envelope-mediated cell fusion. <i>Proc Natl Acad Sci U S A.</i> 1994 Feb 15;91(4):1356-60.	
	C337	YAMAMOTO et al., Lipofection of synthetic oligodeoxyribonucleotide having a palindromic sequence of AACGTT to murine splenocytes enhances interferon production and natural killer activity. <i>Microbiol Immunol.</i> 1994;38(10):831-6.	
	C338	YAMAMOTO et al., Unique palindromic sequences in synthetic oligonucleotides are required to induce IFN [correction of INF] and augment IFN-mediated [correction of INF] natural killer activity. <i>J Immunol.</i> 1992 Jun 15;148(12):4072-6.	
	C339	YAMAMOTO et al., [Commemorative lecture of receiving Imamura Memorial Prize. II. Mode of action of oligonucleotide fraction extracted from <i>Mycobacterium bovis</i> BCG] <i>Kekkaku.</i> 1994 Sep;69(9):571-4. Japanese.	
	C340	YAMAMOTO et al., Ability of oligonucleotides with certain palindromes to induce interferon production and augment natural killer cell activity is associated with their base length. <i>Antisense Res Dev.</i> 1994 Summer;4(2):119-22.	
	C341	YAMAMOTO et al., Synthetic oligonucleotides with certain palindromes stimulate interferon production of human peripheral blood lymphocytes in vitro. <i>Jpn J Cancer Res.</i> 1994 Aug;85(8):775-9.	
	C342	YI et al. Rapid induction of mitogen-activated protein kinases by immune stimulatory CpG DNA. <i>J Immunol.</i> 1998 Nov 1;161(9):4493-7.	
	C343	YI et al., Rapid immune activation by CpG motifs in bacterial DNA. Systemic induction of IL-6 transcription through an antioxidant-sensitive pathway. <i>J Immunol.</i> 1996 Dec 15;157(12):5394-402.	
	C344	YI et al., IFN-gamma promotes IL-6 and IgM secretion in response to CpG motifs in bacterial DNA and oligodeoxynucleotides. <i>J Immunol.</i> 1996 Jan 15;156(2):558-64.	
	C345	YI et al. CpG oligodeoxyribonucleotides rescue mature spleen B cells from spontaneous apoptosis and promote cell cycle entry. <i>J Immunol.</i> 1998 Jun 15;160(12):5898-906.	
	C346	ZHAO et al., Pattern and kinetics of cytokine production following administration of phosphorothioate oligonucleotides in mice. <i>Antisense Nucleic Acid Drug Dev.</i> 1997 Oct;7(5):495-502.	
	C347	ZHAO et al., Modulation of oligonucleotide-induced immune stimulation by cyclodextrin analogs. <i>Biochem Pharmacol.</i> 1996 Nov 22;52(10):1537-44.	
/NMM/	C348	ZHENG et al., DNA containing CpG motifs induces angiogenesis. <i>Proc Natl Acad Sci U S A.</i> 2002 Jun 25;99(13):8944-9. Epub 2002 Jun 11.	

/N. M. Minnifield/ (02/02/2008)

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Sheet	23	of	23	GROUP ART UNIT: [REDACTED] 1645	EXAMINER: [REDACTED] MINNIFIELD
-------	----	----	----	---------------------------------	---

Examiner's Initials	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
/NMM/	C349	ZIMMERMANN et al., CpG oligodeoxynucleotides trigger protective and curative Th1 responses in lethal murine leishmaniasis. J Immunol. 1998 Apr 15;160(8):3627-30.	

EXAMINER: /N. M. Minnifield/ (02/02/2008)	DATE CONSIDERED: 02/02/2008
--	--------------------------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. ___, filed ___, and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications).

NOTE - The Office hereby waives the requirement under 37 CFR 1.98 (a)(2)(i) for submitting a copy of each cited U.S. patent and each U.S. patent application publication for all U.S. national patent applications filed after June 30, 2003 and for all international applications that have entered the national stage under 35 USC 371 after June 30, 2003. See 37 CFR 1.491(b). For all patent applications filed on or before June 30, 2003, copies of cited U.S. patents and patent application publications are still required unless an eIDS is filed. Copies of all other patent(s), publication(s), or other information listed must still be provided, even if it was previously submitted to, or cited by, the U.S. Patent Office in an earlier application, unless the earlier application is identified by the IDS and is relied upon for an earlier filing date under 35 U.S.C. §120, and the copy was provided in the earlier application.]